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NEW QUESTION: 1

How is Layer 3 roaming accomplished in a unified wireless deployment?

- A. The client entry on the original controller is passed to the database on the new controller.
- B. The client database on the original controller is updated the anchor entry, and the new controller database is updated with the foreign entry.
- C. The new controller assigns an IP address from the new subnet to the client
- D. An EoIP tunnel is created between the client and the anchor controller to provide seamless connectivity as the client is associated with the new AP.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

Drag and drop the characteristic from the left onto the orchestration tools that they describe on the right.

Characteristics (Left):

- uses a pull model
- declarative
- uses playbooks
- prodedural

Orchestration Tools (Right):

- Ansible
- Puppet

Answer:



NEW QUESTION: 3

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

A)

```

class-map match-all CuFP_SSH
 match access-group name CuFP_SSH
!
policy-map CuFP_SSH
 class CuFP_SSH
  police cir 100000
  exceed-action drop
!
interface GigabitEthernet0/1
 ip address 209.16.190.225 255.255.255.0
 ip access-group CuFP_SSH out
 duplex auto
 speed auto
 media-type rj45
 service-policy input CuFP_SSH
!
ip access-list extended CuFP_SSH
 permit tcp any any eq 22
!

```

B)

```

class-map match-all CuFP_SSH
 match access-group name CuFP_SSH
!
policy-map CuFP_SSH
 class CuFP_SSH
  police cir 10000
  exceed-action drop
!
interface GigabitEthernet0/1
 ip address 209.16.190.225 255.255.255.0
 ip access-group CuFP_SSH out
 duplex auto
 speed auto
 media-type rj45
 service-policy input CuFP_SSH
!
ip access-list extended CuFP_SSH
 deny tcp any any eq 22
!

```

C)

```

class-map match-all CuFP_SSH
 match access-group name CuFP_SSH
!
policy-map CuFP_SSH
 class CuFP_SSH
  police cir 100000
  exceed-action drop
!
interface-Plane
 service-policy input CuFP_SSH
!
ip access-list extended CuFP_SSH
 permit tcp any any eq 22
!

```

D)

```
class-map match-all CoPP_SSH
 match access-group name CoPP_SSH
!
policy-map CoPP_SSH
 class CoPP_SSH
  police cir 100000
   exceed-action drop
!
!
control-plane transit
 service-policy input CoPP_SSH
!
ip access-list extended CoPP_SSH
 permit tcp any any eq 22
!
```

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

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-model
```

```
aaa authentication login VTY group tacacs+ none
```

```
aaa session-id common
```

```
R1#sh run | section vty
```

```
line vty 0 4
```

```
password 7 0202039485748
```

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

```
R1#
```

- B. 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#
```

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

Answer: ([SHOW ANSWER](#))

Reference:

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: 5

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



```

import requests
import sys
import urllib3

urllib3.disable_warnings(urllib3.exceptions.InsecureRequestWarning)

def main():
    device_uri = "https://192.168.1.1/dna/system/api/v1/auth/token"
    http_result = requests.get(device_uri, auth=("root", "test398586070!"))
    print(http_result)
    if http_result.status_code != requests.codes.ok:
        print("Call failed! Review get_token() .")
        sys.exit()
    print(http_result.json()["Token"])

if __name__ == "__main__":
    sys.exit(main())

```

Output

```

$ python get_token.py
<Response [405]>
Call failed! Review get_token ().

```

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

In a wireless Cisco SD-Access deployment, which roaming method is used when a user moves from one access point to another on a different access switch using a single WLC?

- A. auto anchor
- B. Layer 3
- C. fast roam
- D. inter-xTR

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

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

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

Answer: ([SHOW ANSWER](#))

Reference:

When a device boots up with the startup configuration, the nginx process will be running. NGINX is an internal webserver that acts as a proxy webserver. It provides Transport Layer Security (TLS)-based HTTPS. RESTCONF request sent via HTTPS is first received by the NGINX proxy web server, and the request is transferred to the confd web server for further syntax/semantics check.

[ios/prog/configuration/168/b_168_programmability_cg/RESTCONF.html](https://www.cisco.com/ios/prog/configuration/168/b_168_programmability_cg/RESTCONF.html)

The https-based protocol-RESTCONF (RFC 8040), which is a stateless protocol, uses secure HTTP methods to provide CREATE, READ, UPDATE and DELETE (CRUD) operations on a conceptual datastore containing YANG-defined data -> RESTCONF only uses HTTPs.

NEW QUESTION: 8

Which feature is supported by EIGRP but is not supported by OSPF?

- A. route filtering
- B. unequal-cost load balancing
- C. equal-cost load balancing
- D. route summarization

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

Which First Hop Redundancy Protocol maximizes uplink utilization and minimizes the amount of configuration that is necessary?

- A. VRRP
- B. HSRP v1
- C. GLBP
- D. HSRP v2

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

Which characteristic distinguishes Ansible from Chef?

- A. Ansible lacks redundancy support for the master server. Chef runs two masters in an active/active mode.
- B. Ansible uses Ruby to manage configurations. Chef uses YAML to manage configurations.

- C. Ansible pushes the configuration to the client. Chef client pulls the configuration from the server.
- D. The Ansible server can run on Linux, Unix or Windows. The Chef server must run on Linux or Unix.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

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

```
Jan 1 12:12:12.111 : %HSRP-4-DIFFVIP1: GigabitEthernet0/0 Grp 1 active routers virtual IP address 10.1.1.1 is different to the locally configured address 10.1.1.25
```

Which configuration change must the engineer make?

- 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: 13

Based on the output below, which Python code shows the value of the "upTime" key?

```
{
  "response": [{
    "family": "Routers",
    "type": "Cisco ASR 1001-X Router",
    "errorCode": null,
    "location": null,
    "macAddress": "00:c8:8b:80:bb:00",
    "hostname": "asr1001-x.abc.inc",
    "role": "BORDER ROUTER",
    "lastUpdateTime": 1577391299537,
    "serialNumber": "FXS1932Q1SE",
    "softwareVersion": "16.3.2",
    "locationName": null,
    "upTime": "49 days, 13:43:44.13",
    "lastUpdated": "2019-12-22 14:55:23"
  ]
}
```

A)

```
json_data = response.json()
print(json_data['response']['family']['upTime'])
```

B)

```
json_data = response.json()
print(json_data[response][0][upTime])
```

C)

```
json_data = json.loads(response.text)
print(json_data['response']['family']['upTime'])
```

D)

```
json_data = response.json()
print(json_data['response'][0]['upTime'])
```

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

What is YANG used for?

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

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

NEW QUESTION: 15

What is the role of the vsmart controller in a Cisco SD-WAN environment?

- A. IT performs authentication and authorization
- B. It manages the control plane.
- C. It is the centralized network management system.
- D. It manages the data plane.

Answer: ([SHOW ANSWER](#))

Reference:

Control plane (vSmart) builds and maintains the network topology and make decisions on the traffic flows. The vSmart controller disseminates control plane information between WAN Edge devices, implements control plane policies and distributes data plane policies to network devices for enforcement.

NEW QUESTION: 16

Refer to the exhibit.

```

session-timeout 30
exec-timeout 120 0
session-limit 30
login local

line vty 5 15

session-timeout 30
exec-timeout 30 0

session-limit 30

login local

```

Only administrators from the subnet 10.10.10.0/24 are permitted to have access to the router. A secure protocol must be used for the remote access and management of the router instead of clear-text protocols. Which configuration achieves this goal?

- access-list 23 permit 10.10.10.0 0.0.0.255
line vty 0 4
access-class 23 in
transport input ssh
- access-list 23 permit 10.10.10.0 0.0.0.255
line vty 0 15
access-class 23 in
transport input ssh
- access-list 23 permit 10.10.10.0 0.0.0.255
line vty 0 15
access-class 23 out
transport input all
- access-list 23 permit 10.10.10.0 255.255.255.0
line vty 0 15
access-class 23 in
transport input ssh

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

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

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 dynamic desirable on SW2
- B. configure switchport mode access on SW2
- C. configure switchport mode trunk on SW2
- D. configure switchport nonegotiate on SW2
- E. configure no switchport nonegotiate on SW1

Answer: (SHOW ANSWER)

NEW QUESTION: 18

How does the EIGRP metric differ from the OSPF metric?

- A. The EIGRP metric is calculated based on bandwidth only. The OSPF metric is calculated on delay only.
- B. The EIGRP metric is calculated based on delay only. The OSPF metric is calculated on bandwidth and delay.
- C. The EIGRP metric is calculated based on bandwidth and delay. The OSPF metric is calculated on bandwidth only.
- D. The EIGRP metric is calculated based on hop count and bandwidth. The OSPF metric is calculated on bandwidth and delay.

Answer: (SHOW ANSWER)

Reference:

By default, EIGRP metric is calculated:

metric = bandwidth + delay

While OSPF is calculated by:

OSPF metric = Reference bandwidth / Interface bandwidth in bps

(Or Cisco uses 100Mbps (108) bandwidth as reference bandwidth. With this bandwidth, our equation would be:

Cost = 108/interface bandwidth in bps)

NEW QUESTION: 19

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. VPN peers agreed on parameters for the ISAKMP SA
- B. ISAKMP SA has been created, but it has not continued to form.
- C. ISAKMP SA is authenticated and can be used for Quick Mode.

D. Peers have exchanged keys, but ISAKMP SA remains unauthenticated.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

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](#))

Reference:

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

NEW QUESTION: 21

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

supports virtual links

can automatically summarize networks at the boundary

requires manual configuration of network summarization

EIGRP

OSPF

Answer:

supports virtual links

can automatically summarize networks at the boundary

requires manual configuration of network summarization

EIGRP

OSPF

NEW QUESTION: 22

Which two characteristics define the Intent API provided by Cisco DNA Center? (Choose two.)

- A. northbound API
- B. business outcome oriented
- C. device-oriented
- D. southbound API
- E. procedural

Answer: ([SHOW ANSWER](#))

Reference:

The Intent API is a Northbound REST API that exposes specific capabilities of the Cisco DNA Center platform. The Intent API provides policy-based abstraction of business intent, allowing focus on an outcome rather than struggling with individual mechanisms steps.

NEW QUESTION: 23

What is one benefit of implementing a VSS architecture?

- A. It provides a single point of management for improved efficiency.
- B. It uses a single database to manage configuration for multiple switches
- C. It provides multiple points of management for redundancy and improved support
- D. It uses GLBP to balance traffic between gateways.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24





In a Cisco SD-Access solution, what is the role of the Identity Services Engine?

- A. It is leveraged for dynamic endpoint to group mapping and policy definition.
- B. it is used to analyze endpoint to app flows and monitor fabric status.
- C. It manages the LISP EID database.
- D. It provides GUI management and abstraction via apps that share context.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

Drag and drop the wireless elements on the left to their definitions on the right.

beamwidth		a graph that shows the relative intensity of the signal strength of an antenna within its space
polarization		the relative increase in signal strength of an antenna in a given direction
radiation patterns		measures the angle of an antenna pattern in which the relative signal strength is half-power below the maximum value
gain		radiated electromagnetic waves that influence the orientation of an antenna within its electromagnetic field

Answer:



NEW QUESTION: 26

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 27

What is a characteristic of a WLC that is in master controller mode?

- A. All new APs that join the WLAN are assigned to the master controller.
- B. The master controller is responsible for load balancing all connecting clients to other controllers.
- C. All wireless LAN controllers are managed by the master controller.
- D. Configuration on the master controller is executed on all wireless LAN controllers.

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

Reference:

When should I use the master controller mode on a WLC? - When there is a master controller enabled, all newly added access points with no primary, secondary, or tertiary controllers assigned associate with the master controller on the same subnet.

NEW QUESTION: 28

A network administrator is implementing a routing configuration change and enables routing debugs to track routing behavior during the change. The logging output on the terminal is interrupting the command typing process. Which two actions can the network administrator take to minimize the possibility of typing commands incorrectly? (Choose two.)

- A. Configure the logging delimiter feature
- B. Configure the logging synchronous command under the vty
- C. increase the number of lines on the screen using the terminal length command
- D. Configure the logging synchronous global configuration command
- E. Press the TAB key to reprint the command in a new line

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

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

- A. set of statements that defines how routing is performed
- B. list of enabled services for all nodes within the cloud
- C. set of rules that governs nodes authentication within the cloud
- D. list of ordered statements that define user access policies

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

Which action is performed by Link Management Protocol In a Cisco StackWise Virtual domain?

- A. It discovers the StackWise domain and brings up SVL interfaces.
- B. It rejects any unidirectional link traffic forwarding.
- C. It determines which switch becomes active or standby.
- D. it determines if the hardware is compatible to form the StackWise Virtual domain.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

Refer to the exhibit.

```
Router#sh| run | b vty
```

```
line vty 0 4
  session-timeout 30
  exec-timeout 20 0
  session-limit 30
  login local
line vty 5 15
  session-timeout 30
  exec-timeout 20 0
  session-limit 30
  login local
```



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

- A. line vty 0 15
exec-timeout
- B. line vty 0 4
exec-timeout 600
- C. line vty 0 1 5
exec-timeout 10 0
- D. line vty 0 15
absolute-timeout 600

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

What does the cisco REST response indicate?

- A. Cisco DNA Center has the Incorrect credentials for RouterASR-1
- B. Cisco DNA Center has the incorrect credentials for cat9000-1
- 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: 34

What is the function of a VTEP in VXLAN?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

Refer to the exhibit. An engineer configures a new HSRP group. While reviewing the HSRP status, the engineer sees the logging message generated on R2. Which is the cause of the message?

- A. The same virtual IP address has been configured for two HSRP groups
- B. The HSRP configuration has caused a routing loop
- C. The HSRP configuration has caused a spanning-tree loop
- D. A PC is on the network using the IP address 10.10.1.1

Answer: (SHOW ANSWER)

NEW QUESTION: 36

Drag and drop the snippets onto the blanks within the code construct a script that configure a loopback interface with an IP address not all options are used.

The screenshot shows a configuration editor with a JSON code snippet on the left and a list of configuration options on the right. The code snippet is as follows:

```

"@message-id": "101",
"edit-config": {
  [ ]
  "running": null
},
"config": {
  "native": {
    "interface": {
      "Loopback": {
        [ ]
        "ip": {
          "address": {
            [ ]
            "address": "10.10.10.10",
            "mask": "255.255.255.255"
          }
        }
      }
    }
  }
}

```

The list of options on the right includes: "fixed:", "config:", "mask:", "primary:", "name": "100", and "target:". The "name": "100" option is highlighted in blue.

Answer:

The screenshot shows the same configuration editor with the JSON code snippet completed. The options "config:", "name": "100", "primary:", and "mask:" have been dragged into the code snippet and are highlighted in red. The "name": "100" option is also highlighted in blue. The completed code snippet is as follows:

```

{
  "@message-id": "101",
  "edit-config": {
    "config": [ ]
  },
  "config": {
    "native": {
      "interface": {
        "Loopback": {
          "name": "100"
          "ip": {
            "primary": [ ]
            "address": {
              "address": "10.10.10.10",
              "mask": "255.255.255.255"
            }
          }
        }
      }
    }
  }
}

```

The list of options on the right includes: "fixed:", "config:", "mask:", "primary:", "name": "100", and "target:". The "name": "100" option is highlighted in blue.

NEW QUESTION: 37

Refer to the exhibit. Which configuration change will force BR2 to reach 209.165.201.0/27 via BR1?

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

D. Set the origin to igp on BR2 toward PE2 inbound.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

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. RP failover
- C. RPVST+
- D. NSF

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

An engineer configures HSRP group 37. The configuration does not modify the default virtual MAC address. Which virtual MAC address does the group use?

- A. C0:39:83:25:258:5
- B. 00:00:0c:07:ac:37
- C. C0.00:00:25:00:00
- D. 00:00:0c:07:ac:25

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 40

What is a characteristic of YANG?

- A. It allows model developers to create custom data types
- B. It is a Cisco proprietary language that models NETCONF data
- 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: 41

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Refer to the exhibit. An engineer must create a script that appends the output of the show process cpu sorted command to a file.

- A. action 4.0 syslog command "show process cpu sorted | append flash:high-cpu-file"
- B. action 4.0 publish-event "show process cpu sorted | append flash:high-cpu-file"
- C. action 4.0 ens-event "show process cpu sorted | append flash:high-cpu-file"
- D. action 4.0 cli command "show process cpu sorted | append flash:high-cpu-file"

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

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

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

Answer: ([SHOW ANSWER](#))

Reference:

We can remote upgrades WAN Edge, vSmart and vBond in vManage.

<https://sdwan->

[docs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Maintenance/Software_Upgrade](https://sdwan-docs.cisco.com/Product_Documentation/vManage_Help/Release_18.4/Maintenance/Software_Upgrade)

NEW QUESTION: 45

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 R1 and the TTL expires.
- E. R1 replies with a TTL exceeded message
- F. The packet reaches R2 and the TTL expires

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

Refer to the exhibit. What is the effect of introducing the sampler feature into the Flexible NetFlow configuration on the router?

- A. CPU and memory utilization are reduced when compared with what is required for full NetFlow.
- B. Every second IPv4 packet is forwarded to the collector for inspection.
- C. NetFlow updates to the collector are sent 50% less frequently.
- D. The resolution of sampling data increases, but it requires more performance from the router.

Answer: (SHOW ANSWER)

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NEW QUESTION: 47

Which statement about Cisco Express Forwarding is true?

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

Answer: (SHOW ANSWER)

Reference:

Cisco Express Forwarding (CEF) provides the ability to switch packets through a device in a very quick and efficient way while also keeping the load on the router's processor low. CEF is made up of two different main components: the Forwarding Information Base (FIB) and the Adjacency Table. These are automatically updated at the same time as the routing table.

The Forwarding Information Base (FIB) contains destination reachability information as well as next hop information. This information is then used by the router to make forwarding decisions.

The FIB allows for very efficient and easy lookups. Below is an example of the FIB table:

```

R2#show ip cef
Prefix                Next Hop                Interface
0.0.0.0/0             192.168.201.1         FastEthernet0/0
0.0.0.0/32            receive
192.168.201.0/27     attached               FastEthernet0/0
192.168.201.0/32     receive
192.168.201.1/32     192.168.201.1         FastEthernet0/0
192.168.201.2/32     receive
192.168.201.31/32    receive
224.0.0.0/4           drop
224.0.0.0/24         receive
255.255.255.255/32   receive

```

The adjacency table is tasked with maintaining the layer 2 next-hop information for the FIB. An example of the adjacency table is shown below:

```

Router#show adjacency
Protocol  Interface      Address
-----
IP        Serial0        192.168.209.130 (2) (incomplete)
IP        Serial0        192.168.209.131(7)
IP        Ethernet0      192.168.201.1(7)

```

It uses a fast cache that is maintained in a router data plane' fast cache is only used when fast switching is enabled while CEF is disabled.

NEW QUESTION: 48

Refer to the exhibit. A network engineer configures NAT on R1 and enters the show command to verify the configuration What does the output confirm?

- A. The first packet triggered NAT to add on entry to NAT table
- B. R1 is configured with NAT overload parameters
- C. A Telnet from 160.1.1 1 to 10.1.1.10 has been initiated.
- D. R1 to configured with PAT overload parameters

Answer: (SHOW ANSWER)

NEW QUESTION: 49

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

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

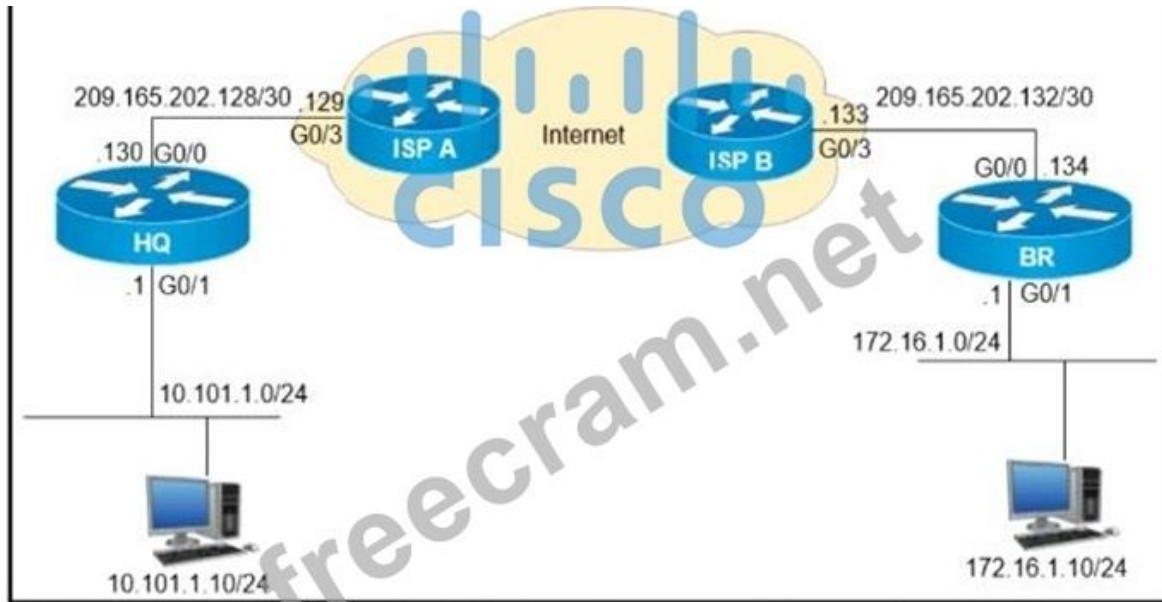
Answer: (SHOW ANSWER)

Reference:

Encapsulated remote SPAN (ERSPAN): encapsulated Remote SPAN (ERSPAN), as the name says, brings generic routing encapsulation (GRE) for all captured traffic and allows it to be extended across Layer 3 domains.

NEW QUESTION: 50

Refer to the exhibit.



```
> Frame 24: 138 bytes on wire (1104 bits), 138 bytes captured (1104 bits) on interface 0
> Ethernet II, Src: 50:00:00:01:00:01 (50:00:00:01:00:01), Dst: 50:00:00:02:00:01 (50:00:00:02:00:01)
> Internet Protocol Version 4, Src: 209.165.202.130, Dst: 209.165.202.134
> Generic Routing Encapsulation (IP)
> Internet Protocol Version 4, Src: 10.111.111.1, Dst: 10.111.111.2
> Internet Control Message Protocol
```

A GRE tunnel has been created between HQ and BR routers.

What is the tunnel IP on the HQ router?

- A. 209.165.202.134
- B. 209.165.202.130
- C. 10.111.111.1
- D. 10.111.111.2

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 51

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

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

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 52

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

How cloud deployments differ from on-prem deployments?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 54

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

supports unequal path load balancing

link state routing protocol

distance vector routing protocol

metric is based on delay and Bandwidth by default

makes it easy to segment the network logically

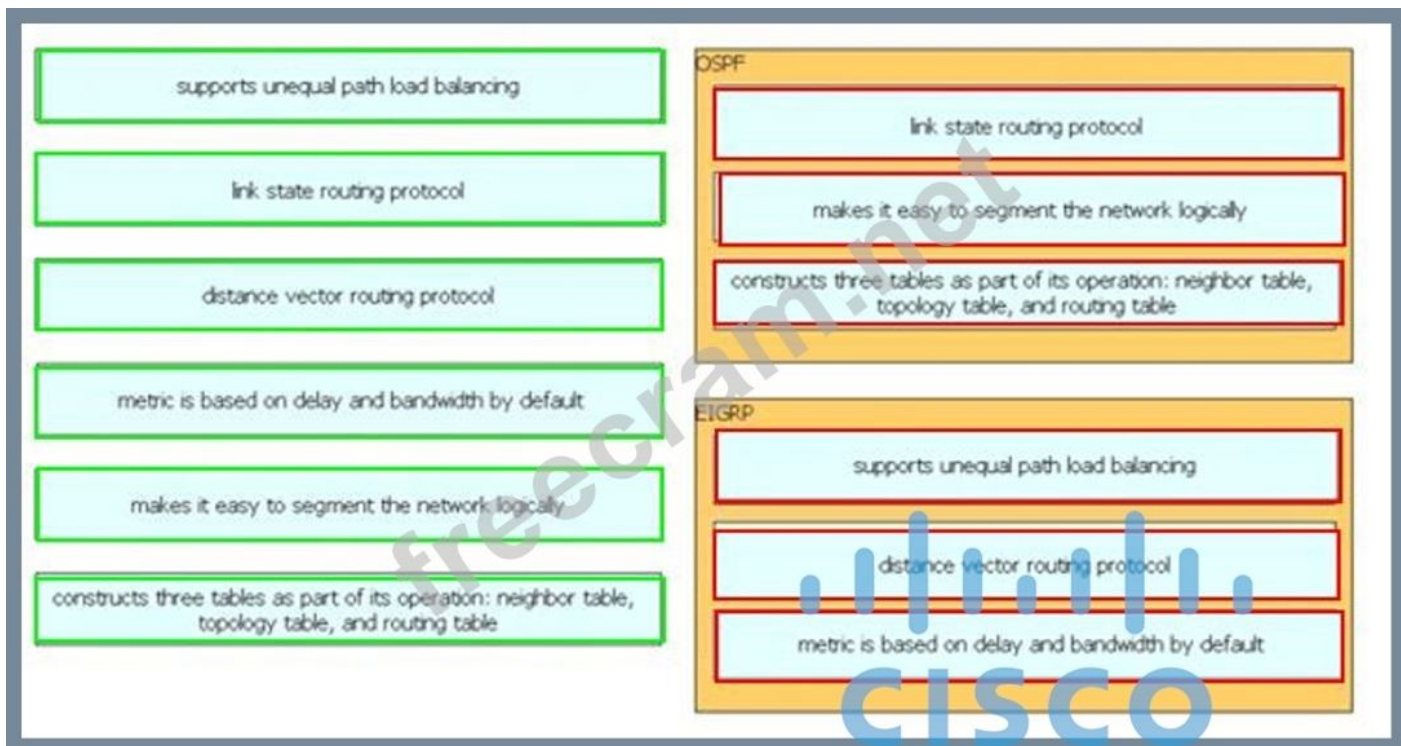
constructs three tables as part of its operation: neighbor table, topology table, and routing table

OSPF

EIGRP

CISCO

Answer:



NEW QUESTION: 55

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

Answer: (SHOW ANSWER)

NEW QUESTION: 56

A company has an existing Cisco 5520 HA cluster using SSO. An engineer deploys a new single Cisco Catalyst 9800 WLC to test new features. The engineer successfully configures a mobility tunnel between the 5520 cluster and 9800 WLC. Client connected to the corporate WLAN roam seamlessly between access points on the 5520 and 9800 WLC. After a failure on the primary 5520 WLC, all WLAN services remain functional; however, Client roam between the 5520 and 9800 controllers without dropping their connection. Which feature must be configured to remedy the issue?

- A. mobility MAC on the 9800 WLC
- B. new mobility on the 5520 cluster
- C. mobility MAC on the 5520 cluster
- D. new mobility on the 9800 WLC

Answer: (SHOW ANSWER)

NEW QUESTION: 57

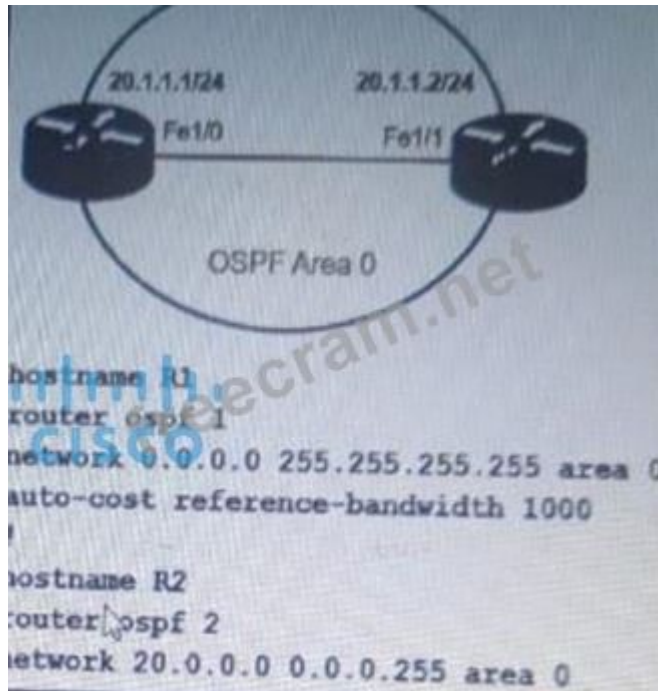
How are the different versions of IGMP compatible?

- A. IGMPv3 is compatible only with IGMPv3.
- B. IGMPv2 is compatible only with IGMPv2.
- C. IGMPv3 is compatible only with IGMPv1
- D. IGMPv2 is compatible only with IGMPv1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 58

Refer to the exhibit.



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](#))

Reference:

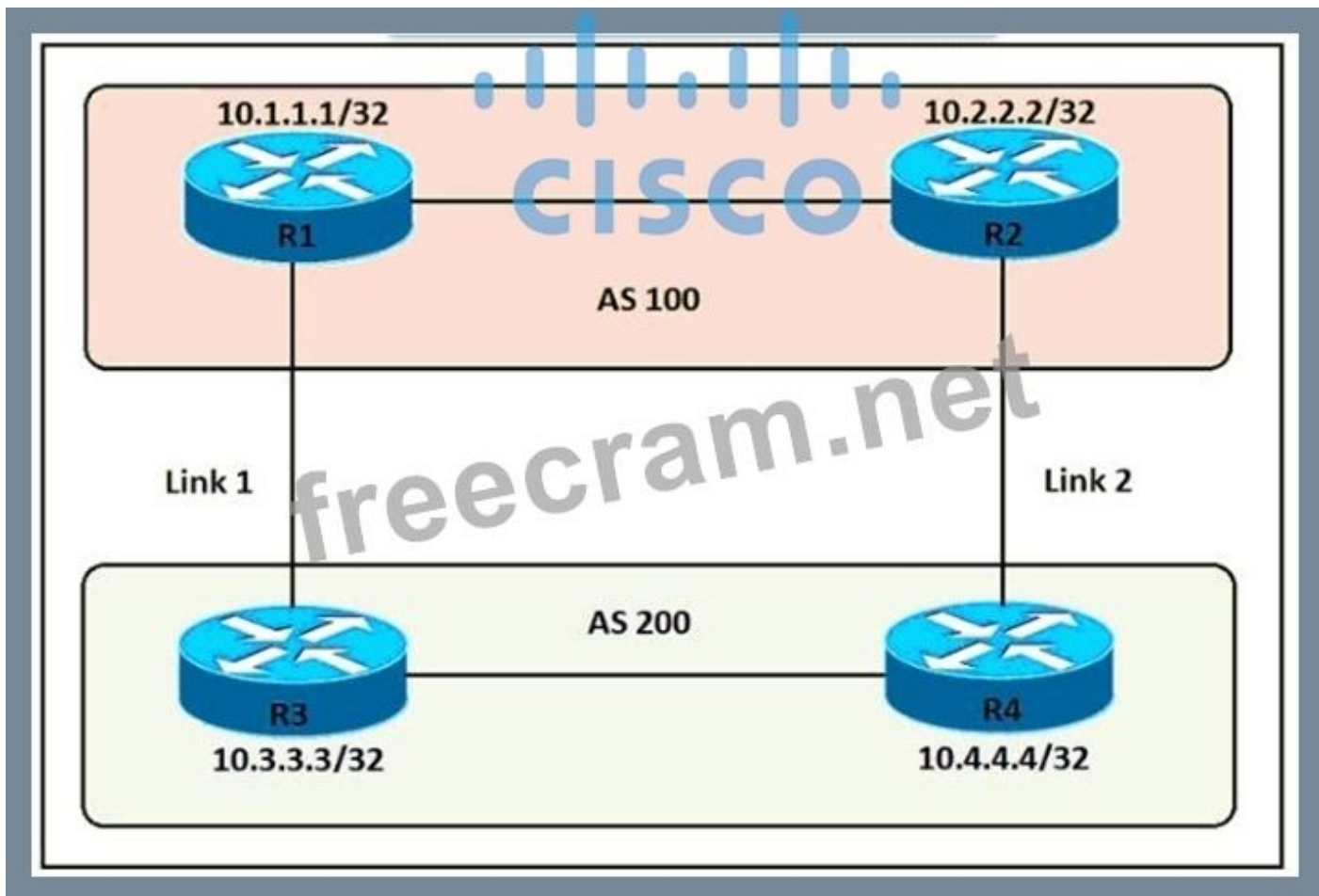
The -network 20.0.0.0 0.0.0.255 area 0|| command on R2 did not cover the IP address of Fa1/1 interface of R2 so OSPF did not run on this interface. Therefore we have to use the command - network 20.1.1.2 0.0.255.255 area 0|| to turn on OSPF on this interface.

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: 59

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: (SHOW ANSWER)

Reference:

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

NEW QUESTION: 60

Refer to the exhibit.

```
Extended IP access list EGRESS
10 permit ip 10.0.0.0 0.0.0.255 any
|
<Output Omitted>
|
interface GigabitEthernet0/0
ip address 209.165.200.225 255.255.255.0
ip access-group EGRESS out
duplex auto
speed auto
media-type rj45
|
```

An engineer must block all traffic from a router to its directly connected subnet 209.165.200.0/24. The engineer applies access control list EGRESS in the outbound direction on the GigabitEthernet0/0 interface of the router. However, the router can still ping hosts on the 209.165.200.0/24 subnet. Which explanation of this behavior is true?

- A. 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.
- B. Access control lists that are applied outbound to a router interface do not affect traffic that is sourced from the router.
- C. Only standard access control lists can block traffic from a source IP address.
- D. The access control list must contain an explicit deny to block traffic from the router.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 61

What is provided by the Stealthwatch component of the Cisco Cyber threat defense solution?

- A. real-time threat management to stop DDoS attacks to the core and access networks
- B. real-time awareness of users, devices and traffic on the network
- C. malware control
- D. dynamic threat control for web traffic

Answer: [\(SHOW ANSWER\)](#)

Reference:

Cisco Stealthwatch is a comprehensive, network telemetry-based, security monitoring and analytics solution that streamlines incident response through behavioral analysis; detecting denial of service attacks, anomalous behaviour, malicious activity and insider threats. Based on a scalable enterprise architecture, Stealthwatch provides near real-time situational awareness of all users and devices on the network.

Note: Although answer A seems to be correct but in fact, Stealthwatch does not provide real-time protection for DDoS attack. It just helps detect DDoS attack only.

Stealthwatch aggregates observed network activity and performs behavioral and policy driven analytics against what it sees in order to surface problematic activities. While we don't position our self as a DDOS solution, we're going to leverage our analytical capabilities to identify a DDoS attack against an internal host using the WebUI.

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NEW QUESTION: 62

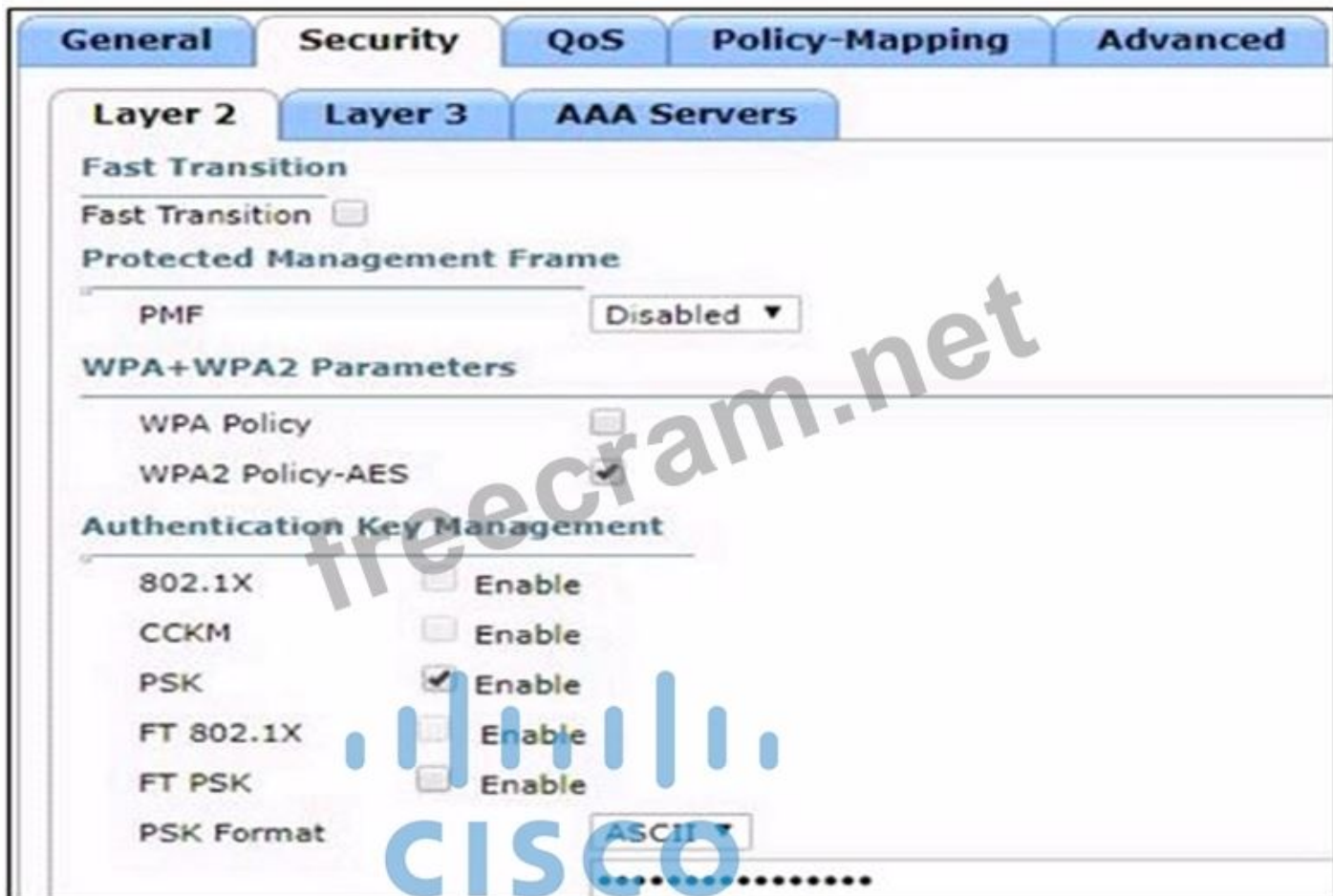
Which antenna type should be used for a site-to-site wireless connection?

- A. Yagi
- B. patch
- C. dipole
- D. Omnidirectional

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

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. username and password

- B. RADIUS token
- C. certificate
- D. text string

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

In cisco SD_WAN, which protocol is used to measure link quality?

- A. RSVP
- B. IPsec
- C. BFD
- D. OMP

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

NEW QUESTION: 66

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

Reference:

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-topoint/multipoint do not elect DR/BDR so they are compatible.

NEW QUESTION: 67

Refer to the exhibit. Which command set must be added to permit and log all traffic that comes from 172.20.10.1 in interface GigabitEthernet0/1 without impacting the functionality of the access list?

```
Router(config)#no access-list 100 permit ip 172.16.0.0 0.0.15.255 any
Router(config)#access-list 100 permit ip 172.16.0.0 0.0.15.255 any log
Router(config)#interface GigabitEthernet0/1
Router(config-if)#access-group 100 in
```

```
Router(config)#access-list 100 seq 5 permit ip host 172.20.10.1 any log
Router(config)#interface GigabitEthernet0/1
Router(config-if)#access-group 100 in
```

```
Router(config)#ip access-list extended 100
Router(config-ext-nacl)#5 permit ip 172.20.10.0 0.0.0.255 any log
Router(config)#interface GigabitEthernet0/1
Router(config-if)#access-group 100 in
```

```
Router(config)#access-list 100 permit ip host 172.20.10.1 any log
Router(config)#interface GigabitEthernet0/1
Router(config-if)#access-group 100 in
```

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 68

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

A GRE tunnel is down with the error message %TUN-5-RECUR DOWN:

Tunnel0 temporarily disabled due to recursive routing error.

Which two options describe possible causes of the error? (Choose two)

- A. The tunnel mode and tunnel IP address are misconfigured
- B. Incorrect destination IP addresses are configured on the tunnel
- C. There is instability in the network due to route flapping
- D. The tunnel destination is being routed out of the tunnel interface
- E. There is link flapping on the tunnel

Answer: (SHOW ANSWER)

NEW QUESTION: 70

How is MSDP used to interconnect multiple PIM-SM domains?

- A. MSDP allows a rendezvous point to dynamically discover active sources outside of its domain
- B. MSDP messages are used to advertise active sources in a domain
- C. MSDP depends on BGP or multiprotocol BGP for interdomain operation.
- D. MSDP SA request messages are used to request a list of active sources for a specific group

Answer: (SHOW ANSWER)

NEW QUESTION: 71

Refer to the exhibit.



Which type of antenna do the radiation patterns present?

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

Answer: (SHOW ANSWER)

NEW QUESTION: 72

Which design principle should be followed in a Cisco SD-Access wireless network deployment?

- A. The WLC is part of the fabric underlay
- B. The WLC is connected outside of the fabric
- C. The WLC is part of the fabric overlay.
- D. The access point is connected outside of the fabric.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 73

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

HTTP basic authentication	public API resource
OAuth	username and password in an encoded string
secure vault	authorization through identity provider

Answer:



NEW QUESTION: 74

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: ([SHOW ANSWER](#))

Reference:

Explanation

Access Points

- + AP is directly connected to FE (or to an extended node switch)
- + AP is part of Fabric overlay

NEW QUESTION: 75

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

- standby 300 priority 110
standby 300 timers 1 110
- standby version 2
standby 300 priority 110
standby 300 preempt
- standby 300 priority 90
standby 300 preempt
- standby version 2
standby 300 priority 90
standby 300 preempt

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

D. Option A

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 76

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

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

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 77

What is a fact about Cisco EAP-FAST?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 78

What is the output of this code?

```
def get_credentials():  
    creds={'username': 'cisco', 'password': 'c3577dc8ae4e36c0bfb6fe5398614245'}  
    return (creds.get('username'))  
  
print(get_credentials())
```

- A. get_credentials
- B. username Cisco
- C. CISCO
- D. username

Answer: ([SHOW ANSWER](#))

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