

**350-401**

Number: 350-401  
Passing Score: 800  
Time Limit: 120 min  
File Version: 1

350-401

## **Exam A**

### **QUESTION 1**

Which function does a fabric edge node perform in an SD-Access deployment?

- A. Connects endpoints to the fabric and forwards their traffic.
- B. Encapsulates end-user data traffic into LISP.
- C. Connects the SD-Access fabric to another fabric or external Layer 3 networks.
- D. Provides reachability between border nodes in the fabric underlay.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 2**

Refer to the exhibit.

```
R1# sh run | begin line con
line con 0
  exec-timeout 0 0
  privilege level 15
  logging synchronous
  stopbits 1
line aux 0
  exec-timeout 0 0
  privilege level 15
  logging synchronous
  stopbits 1
line vty 0 4
  password 7 045802150C2E
  login
line vty 5 15
  password 7 045802150C2E
  login
1
end
```

```
R1# sh run | include aaa | enable
no aaa new-model
R1#
```

Which privilege level is assigned to VTY users?

- A. 1
- B. 7
- C. 13
- D. 15

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 3**

Which requirement for an Ansible-managed node is true?

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

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 4

A client device fails to see the enterprise SSID, but other client devices are connected to it.

What is the cause of this issue?

- A. The client has incorrect credentials stored for the configured broadcast SSID.
- B. The hidden SSID was not manually configured on the client.
- C. The broadcast SSID was not manually configured on the client.
- D. The client has incorrect credentials stored for the configured hidden SSID.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 5

Which two descriptions of FlexConnect mode for Cisco APs are true? (Choose two.)

- A. APs that operate in FlexConnect mode cannot detect rogue APs.
- B. When connected to the controller, FlexConnect APs can tunnel traffic back to the controller. C. FlexConnect mode is used when the APs are set up in a mesh environment and used to bridge between each other.
- C. FlexConnect mode is a feature that is designed to allow specified CAPWAP-enabled APs to exclude themselves from managing data traffic between clients and infrastructure.
- D. FlexConnect mode is a wireless solution for branch office and remote office deployments.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-2/configuration/guide/cg\\_cg\\_flexconnect.html](https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-2/configuration/guide/cg_cg_flexconnect.html)

#### QUESTION 6

Which OSPF network types are compatible and allow communication through the two peering devices?

- A. point-to-multipoint to nonbroadcast
- B. broadcast to nonbroadcast

- C. point-to-multipoint to broadcast
- D. broadcast to point-to-point

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.freeccnaworkbook.com/workbooks/ccna/configuring-ospf-network-types>

#### QUESTION 7

Which statement about route targets is true when using VRF-Lite?

- A. Route targets control the import and export of routes into a customer routing table.
- B. When BGP is configured, route targets are transmitted as BGP standard communities.
- C. Route targets allow customers to be assigned overlapping addresses.
- D. Route targets uniquely identify the customer routing table.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 8

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

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/dam/en/us/products/collateral/security/identity-services-engine/at\\_a\\_glance\\_c45-726831.pdf](https://www.cisco.com/c/dam/en/us/products/collateral/security/identity-services-engine/at_a_glance_c45-726831.pdf)

#### QUESTION 9

Refer to the exhibit.

```
R1#debug ip ospf hello
R1#debug condition interface Fa0\1
      Condition 1 Set
```

Which statement about the OSPF debug output is true?

- A. The output displays OSPF hello messages which router R1 has sent or received on interface Fa0/1.
- B. The output displays all OSPF messages which router R1 has sent or received on all interfaces.

- C. The output displays all OSPF messages which router R1 has sent or received on interface Fa0/1.
- D. The output displays OSPF hello and LSACK messages which router R1 has sent or received.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 10

Which HTTP status code is the correct response for a request with an incorrect password applied to a REST API session?

- A. HTTP Status Code: 200
- B. HTTP Status Code: 302
- C. HTTP Status Code: 401
- D. HTTP Status Code: 504

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/401>

#### QUESTION 11

Which statement about multicast RPs is true?

- A. RPs are required only when using protocol independent multicast dense mode.
- B. RPs are required for protocol independent multicast sparse mode and dense mode.
- C. By default, the RP is needed periodically to maintain sessions with sources and receivers.
- D. By default, the RP is needed only to start new sessions with sources and receivers.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/ios/solutions\\_docs/ip\\_multicast/White\\_papers/rps.html](https://www.cisco.com/c/en/us/td/docs/ios/solutions_docs/ip_multicast/White_papers/rps.html)

#### QUESTION 12

To increase total throughput and redundancy on the links between the wireless controller and switch, the customer enabled LAG on the wireless controller.

Which EtherChannel mode must be configured on the switch to allow the WLC to connect?

- A. Active
- B. Passive
- C. On
- D. Auto

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://community.cisco.com/t5/wireless-mobility-documents/lag-link-aggregation/ta-p/3128669>

**QUESTION 13**

Which feature does Cisco TrustSec use to provide scalable, secure communication throughout a network?

- A. security group tag ACL assigned to each port on a switch
- B. security group tag number assigned to each user on a switch
- C. security group tag number assigned to each port on a network
- D. security group tag ACL assigned to each router on a network

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/dam/en/us/solutions/collateral/borderless-networks/trustsec/C07-730151-00\\_overview\\_of\\_trustSec\\_oq.pdf](https://www.cisco.com/c/dam/en/us/solutions/collateral/borderless-networks/trustsec/C07-730151-00_overview_of_trustSec_oq.pdf)

**QUESTION 14**

Which exhibit displays a valid JSON file?

- A. 

```
{
  "hostname": "edge_router_1"
  "interfaces": {
    "GigabitEthernet1/1"
    "GigabitEthernet1/2"
    "GigabitEthernet1/3"
  }
}
```
- B. 

```
{
  "hostname": "edge_router_1",
  "interfaces": {
    "GigabitEthernet1/1",
    "GigabitEthernet1/2",
    "GigabitEthernet1/3",
  },
}
```

- C. 

```
{
  "hostname": "edge_router_1"
  "interfaces": [
    "GigabitEthernet1/1"
    "GigabitEthernet1/2"
    "GigabitEthernet1/3"
  ]
}
```
- D. 

```
{
  "hostname": "edge_router_1",
  "interfaces": [
    "GigabitEthernet1/1",
    "GigabitEthernet1/2",
    "GigabitEthernet1/3"
  ]
}
```

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 15

Which two pieces of information are necessary to compute SNR? (Choose two.)

- A. transmit power
- B. noise floor
- C. EIRP
- D. RSSI
- E. antenna gain

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://community.cisco.com/t5/wireless-mobility-documents/snr-rssi-eirp-and-free-space-path-loss/ta-p/3128478>

#### QUESTION 16

What are two benefits of virtualizing the server with the use of VMs in a data center environment? (Choose two.)

- A. reduced rack space, power, and cooling requirements
- B. smaller Layer 2 domain

- C. increased security
- D. speedy deployment
- E. reduced IP and MAC address requirements

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 17**

Which two steps are required for a complete Cisco DNA Center upgrade? (Choose two.)

- A. automation backup
- B. system update
- C. golden image selection
- D. proxy configuration
- E. application updates

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 18**

What is a benefit of data modeling languages like YANG?

- A. They create more secure and efficient SNMP OIDs.
- B. They provide a standardized data structure, which results in configuration scalability and consistency.
- C. They enable programmers to change or write their own applications within the device operating system.
- D. They make the CLI simpler and more efficient.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 19**

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

R1:

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

R2:

```
interface GigabitEthernet0/1
  ip address 192.0.2.2 255.255.255.252
  ip ospf 1 area 0
  ip ospf cost 500
end
```

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

**Correct Answer:** B

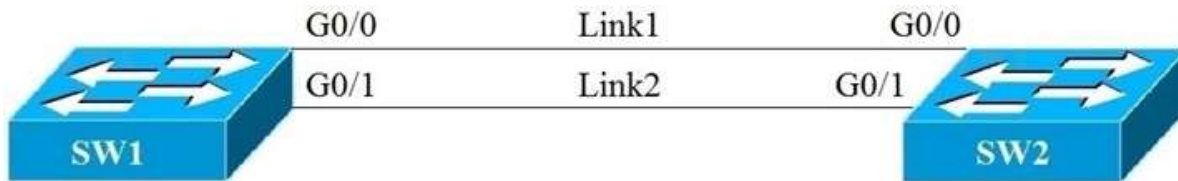
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 20**

Refer to the exhibit.



SW2#show spanning-tree

VLAN0001

Spanning tree enabled protocol ieee

```

Root ID    Priority    32769
           Address    5000.0005.0000
           Cost       4
           Port       1 (GigabitEthernet0/0)
           Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
  
```

```

Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
           Address    5000.0006.0000
           Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
           Aging Time  300 sec
  
```

| Interface | Role | Sts | Cost | Prio.Nbr | Type |
|-----------|------|-----|------|----------|------|
| Gi0/0     | Root | FWD | 4    | 128.1    | P2p  |
| Gi0/1     | Altn | BLK | 4    | 32.2     | P2p  |

Link1 is a copper connection and Link2 is a fiber connection. The fiber port must be the primary port for all forwarding. The output of the **show spanning-tree** command on SW2 shows that the fiber port is blocked by spanning tree. An engineer enters the **spanning-tree port-priority 32** command on G0/1 on SW2, but the port remains blocked.

Which command should be entered on the ports that are connected to Link2 to resolve the issue?

- A. Enter **spanning-tree port-priority 4** on SW2.
- B. Enter **spanning-tree port-priority 32** on SW1.
- C. Enter **spanning-tree port-priority 224** on SW1.
- D. Enter **spanning-tree port-priority 64** on SW2.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

## QUESTION 21

Which JSON syntax is valid?

- A. {"switch": "name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}
- B. {/"switch/": {/"name/": "dist1", /"interfaces/": ["gig1", "gig2", "gig3"]}}
- C. {"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}
- D. {'switch': ('name': 'dist1', 'interfaces': ['gig1', 'gig2', 'gig3'])}

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

What are two common sources of interference for Wi-Fi networks? (Choose two.)

- A. LED lights
- B. radar
- C. fire alarm
- D. conventional oven
- E. rogue AP

**Correct Answer:** AE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 23**

When using TLS for syslog, which configuration allows for secure and reliable transportation of messages to its default port?

- A. logging host 10.2.3.4 vrf mgmt transport tcp port 514
- B. logging host 10.2.3.4 vrf mgmt transport udp port 514
- C. logging host 10.2.3.4 vrf mgmt transport tcp port 6514
- D. logging host 10.2.3.4 vrf mgmt transport udp port 6514

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://tools.ietf.org/html/rfc5425>

#### **QUESTION 24**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 25**

Refer to the exhibit.

```
R1#show ip bgp
```

BGP table version is 32, local router ID is 192.168.101.5

Status codes: S suppressed, d damped, h history, \*valid, > best, i - internal,  
r RIB-failure, S Stale, m multipath, b backup-path, f RT-Filter,  
x best-external, a additional-path, c RIB-compressed,

Origin codes: i - IGP, e - EGP, ? - incomplete

RPKI validation codes: V valid, I invalid, N Not found

|    | Network       | Next Hop       | Metric | LocPrf | Weight | Path         |
|----|---------------|----------------|--------|--------|--------|--------------|
| *  | 192.168.102.0 | 192.168.101.18 | 80     |        | 0      | 64517i       |
| *  |               | 192.168.101.14 | 80     | 80     | 0      | 64516i       |
| *  |               | 192.168.101.10 |        |        | 0      | 64515 64515i |
| *> |               | 192.168.101.2  |        |        | 32768  | 64513i       |
| *  |               | 192.168.101.6  |        | 80     | 0      | 64514 64514i |

Which IP address becomes the active next hop for 192.168.102.0/24 when 192.168.101.2 fails?

- A. 192.168.101.10
- B. 192.168.101.14
- C. 192.168.101.6
- D. 192.168.101.18

**Correct Answer: D**

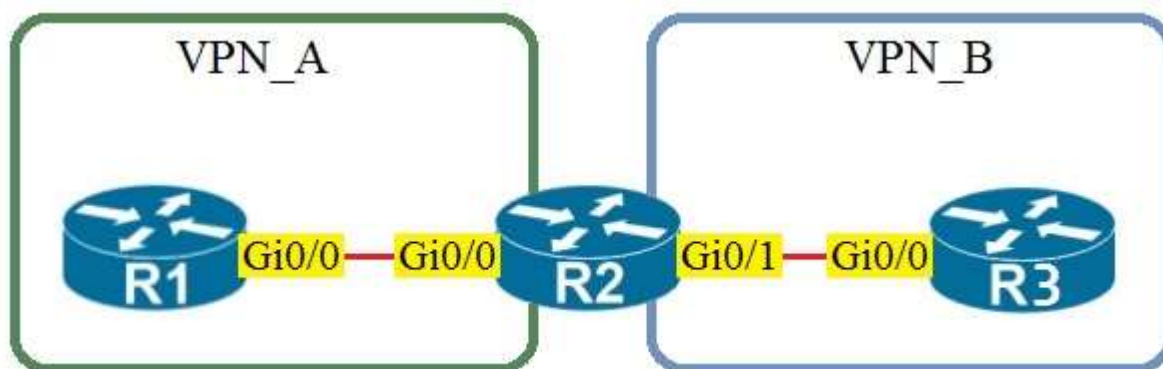
**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 26

Refer to the exhibit.



Assuming that R1 is a CE router, which VRF is assigned to Gi0/0 on R1?

- A. default VRF
- B. VRF VPN\_A
- C. VRF VPN\_B
- D. management VRF

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 27**

Refer to the exhibit.

The screenshot displays a configuration interface for WLAN security settings. At the top, there are tabs for 'General', 'Security', 'QoS', 'Advanced', and 'Policy Mapping'. Under the 'Security' tab, there are sub-tabs for 'Layer 2', 'Layer 3', and 'AAA Servers'. The 'Layer 3' sub-tab is selected. The configuration is organized into sections: 'Fast Transition' with a checkbox; 'Protected Management Frame' with a 'PMF' dropdown set to 'Disabled'; 'WPA+WPA2 Parameters' with checkboxes for 'WPA Policy' and 'WPA2 Policy-AES' (checked); and 'Authentication Key Management' with a list of methods: '802.1X', 'CCKM', 'PSK' (checked), 'FT 802.1X', and 'FT PSK', each with an 'Enable' checkbox. At the bottom, there is a 'PSK Format' dropdown set to 'ASCII' and a password field with masked characters.

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. RADIUS token
- D. certificate

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 28**

Which two mechanisms are available to secure NTP? (Choose two.)

- A. IPsec
- B. IP prefix list-based
- C. encrypted authentication
- D. TACACS-based authentication
- E. IP access list-based

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/dam/en/us/td/docs/ios-xml/ios/bsm/configuration/xr-3se/3650/bsm-xr-3se-3650-book.html>

**QUESTION 29**

Which two methods are used by an AP that is trying to discover a wireless LAN controller? (Choose two.)

- A. Cisco Discovery Protocol neighbor
- B. querying other APs
- C. DHCP Option 43
- D. broadcasting on the local subnet
- E. DNS lookup CISCO-DNA-PRIMARY.localdomain

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/119286-lap-notjoin-wlc-tshoot.html#backinfo>

**QUESTION 30**

Which statement explains why Type 1 hypervisor is considered more efficient than Type2 hypervisor?

- A. Type 1 hypervisor is the only type of hypervisor that supports hardware acceleration techniques.
- B. Type 1 hypervisor relies on the existing OS of the host machine to access CPU, memory, storage, and network resources.
- C. Type 1 hypervisor runs directly on the physical hardware of the host machine without relying on the underlying OS.
- D. Type 1 hypervisor enables other operating systems to run on it.

**Correct Answer:** C

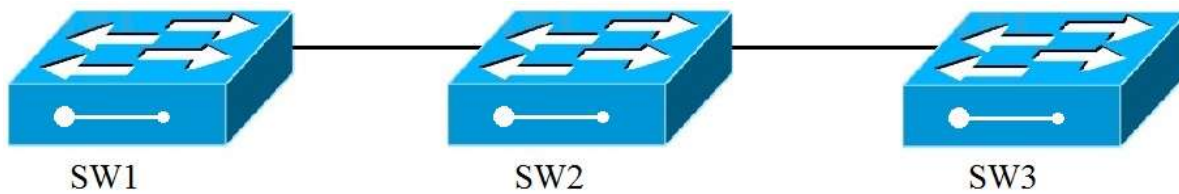
**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

Refer to the exhibit.



VLANs 50 and 60 exist on the trunk links between all switches. All access ports on SW3 are configured for VLAN 50 and SW1 is the VTP server.

Which command ensures that SW3 receives frames only from VLAN 50?

- A. SW1(config)#vtp mode transparent
- B. SW3(config)#vtp mode transparent
- C. SW2(config)#vtp pruning
- D. SW1(config)#vtp pruning

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://www.orbit-computer-solutions.com/vtp-pruning/>

### QUESTION 32

Which statement about a fabric access point is true?

- A. It is in local mode and must be connected directly to the fabric edge switch.
- B. It is in local mode and must be connected directly to the fabric border node.
- C. It is in FlexConnect mode and must be connected directly to the fabric border node.
- D. It is in FlexConnect mode and must be connected directly to the fabric edge switch.

**Correct Answer:** A

**Section:** (none)

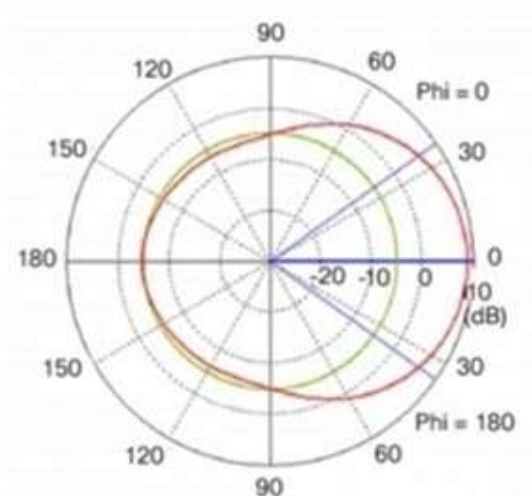
**Explanation**

**Explanation/Reference:**

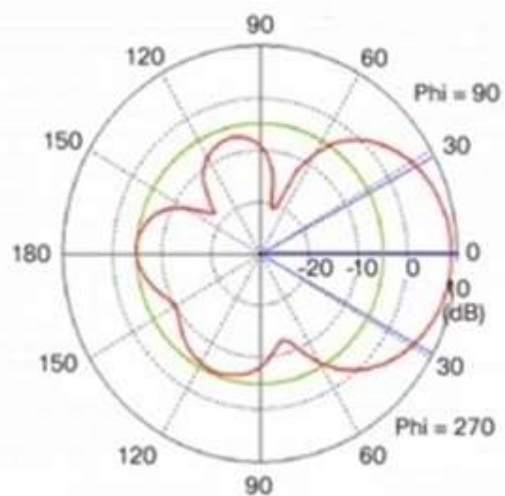
Reference: <https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/sda-sdg-2019oct.html>

### QUESTION 33

Refer to the exhibit.



**Antenna Azimuth  
Plane Pattern**



**Antenna Elevation  
Plane Pattern**

Which type of antenna do the radiation patterns present?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-antennas-accessories/prod\\_white\\_paper0900aecd806a1a3e.html](https://www.cisco.com/c/en/us/products/collateral/wireless/aironet-antennas-accessories/prod_white_paper0900aecd806a1a3e.html)

#### **QUESTION 34**

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

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

An engineer is configuring local web authentication on a WLAN. The engineer chooses the Authentication radio button under the Layer 3 Security options for Web Policy.

Which device presents the web authentication for the WLAN?

- A. ISE server
- B. RADIUS server
- C. anchor WLC
- D. local WLC

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/SDWAN/CVD-SD-WAN-Design-2018OCT.pdf>

**QUESTION 37**

A network is being migrated from IPv4 to IPv6 using a dual-stack approach. Network management is already 100% IPv6 enabled.

In a dual-stack network with two dual-stack NetFlow collectors, how many flow exporters are needed per network device in the flexible NetFlow configuration?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

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

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b\\_166\\_programmability\\_cg/b\\_166\\_programmability\\_cg\\_chapter\\_01011.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/b_166_programmability_cg_chapter_01011.html)

**QUESTION 39**

Which reason could cause an OSPF neighborship to be in the EXSTART/EXCHANGE state?

- A. mismatched OSPF link costs
- B. mismatched OSPF network type
- C. mismatched areas
- D. mismatched MTU size

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/support/docs/ip/open-shortest-path-first-ospf/13684-12.html#neighbors>

**QUESTION 40**

Which method does the enable secret password option use to encrypt device passwords?

- A. MD5
- B. PAP
- C. CHAP
- D. AES

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/support/docs/security/vpn/remote-authentication-dial-user-service-radius/107614-64.html>

**QUESTION 41**

Which statement about agent-based versus agentless configuration management tools is true?

- A. Agentless tools use proxy nodes to interface with slave nodes.
- B. Agentless tools require no messaging systems between master and slaves.
- C. Agent-based tools do not require a high-level language interpreter such as Python or Ruby on slave nodes.
- D. Agent-based tools do not require installation of additional software packages on the slave nodes.

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

#### QUESTION 42

Which statement about Cisco Express Forwarding is true?

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

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

#### QUESTION 43

When configuring WPA2 Enterprise on a WLAN, which additional security component configuration is required?

- A. PKI server
- B. NTP server
- C. RADIUS server
- D. TACACS server

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/support/docs/wireless/4400-series-wireless-lan-controllers/100708-wpa-wn-config.html#conf>

#### QUESTION 44

A response code of 404 is received while using the REST API on Cisco DNA Center to POST to this URI:

/dna/intent/api/v1/template-programmer/project

What does the code mean?

- A. The POST/PUT request was fulfilled and a new resource was created. Information about the resource is in the response body.
- B. The request was accepted for processing, but the processing was not completed.
- C. The client made a request for a resource that does not exist.
- D. The server has not implemented the functionality that is needed to fulfill the request.

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/application-policy-infrastructure-controller-enterprise-module/1-2-x/config-guide/b\\_apic-em\\_config\\_guide\\_v\\_1-2-x/b\\_apic-em\\_config\\_guide\\_v\\_1-2-x\\_chapter\\_01001.html](https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/application-policy-infrastructure-controller-enterprise-module/1-2-x/config-guide/b_apic-em_config_guide_v_1-2-x/b_apic-em_config_guide_v_1-2-x_chapter_01001.html)

**QUESTION 45**

What is a benefit of deploying an on-premises infrastructure versus a cloud infrastructure deployment?

- A. ability to quickly increase compute power without the need to install additional hardware
- B. less power and cooling resources needed to run infrastructure on-premises
- C. faster deployment times because additional infrastructure does not need to be purchased
- D. lower latency between systems that are physically located near each other

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 46**

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. autonomous
- C. SD-Access wireless
- D. Mobility Express

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 47**

Which two operations are valid for RESTCONF? (Choose two.)

- A. PULL
- B. PUSH
- C. PATCH
- D. REMOVE
- E. ADD
- F. HEAD

**Correct Answer:** CF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b\\_166\\_programmability\\_cg/b\\_166\\_programmability\\_cg\\_chapter\\_01011.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/prog/configuration/166/b_166_programmability_cg/b_166_programmability_cg_chapter_01011.html)

**QUESTION 48**

In which part of the HTTP message is the content type specified?

- A. HTTP method
- B. body
- C. header
- D. URI

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Content-Type>

**QUESTION 49**

What do Cisco DNA southbound APIs provide?

- A. interface between the controller and the consumer
- B. RESTful API interface for orchestrator communication
- C. interface between the controller and the network devices
- D. NETCONF API interface for orchestrator communication

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 50**

Refer to the exhibit.

```
Extended IP access list EGRESS
10 permit ip 10.1.100.0 0.0.0.255 10.1.2.0 0.0.0.255
20 deny ip any any
```

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. 

```
config t
ip access-list extended EGRESS
permit ip 10.1.10.0 255.255.255.0 10.1.2.0 255.255.255.0
```

- B. `config t`  
    `ip access-list extended EGRESS2`  
    `permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255`  
    `permit ip 10.1.100.0 0.0.0.255 10.1.2.0 0.0.0.255`  
    `deny ip any any`  
    `!`  
    `interface g0/1`  
    `no ip access-group EGRESS out`  
    `ip access-group EGRESS2 out`
- C. `config t`  
    `ip access-list extended EGRESS`  
    `permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255`
- D. `config t`  
    `ip access-list extended EGRESS`  
    `5 permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255`

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 51

What is the role of a fusion router in an SD-Access solution?

- A. acts as a DNS server
- B. provides additional forwarding capacity to the fabric
- C. performs route leaking between user-defined virtual networks and shared services
- D. provides connectivity to external networks

**Correct Answer:** C

**Section:** (none)

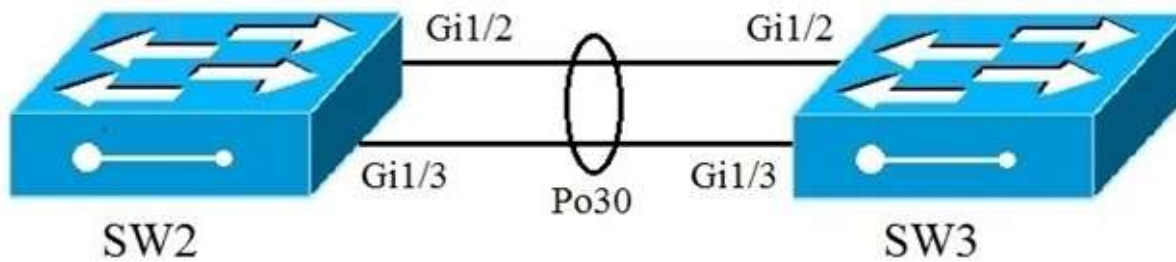
**Explanation**

**Explanation/Reference:**

Reference: <https://www.cisco.com/c/en/us/support/docs/cloud-systems-management/dna-center/213525-sda-steps-to-configure-fusion-router.html#anc1>

#### QUESTION 52

Refer to the exhibit.



```
Interface gi1/2
Channel-group 30 mode desirable
Port-channel load-balance src-ip
```

```
Interface gi1/3
Channel-group 30 mode desirable
Port-channel load-balance src-ip
```

```
Interface PortChannel 30
Switchport mode trunk
Switchport encapsulation dot1q
Switchport trunk allowed vlan 10-100
```

A port channel is configured between SW2 and SW3. SW2 is not running a Cisco operating system. When all physical connections are made, the port channel does not establish.

Based on the configuration except of SW3, what is the cause of the problem?

- A. The port-channel mode should be set to auto.
- B. The port channel on SW2 is using an incompatible protocol.
- C. The port-channel trunk is not allowing the native VLAN.
- D. The port-channel interface load balance should be set to src-mac.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 53

What does this EEM applet event accomplish?

```
"event snmp oid 1.3.6.1.3.7.0.9.5.3.1.2.9 get-type next entry-op gt entry-val 75 poll-interval 5"
```

- A. Upon the value reaching 75%, a SNMP event is generated and sent to the trap server.
- B. It reads an SNMP variable, and when the value exceeds 75%, it triggers an action.
- C. It issues email when the value is greater than 75% for five polling cycles.
- D. It presents a SNMP variable that can be interrogated.

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 54**

Which action is the vSmart controller responsible for in an SD-WAN deployment?

- A. onboard vEdge nodes into the SD-WAN fabric
- B. gather telemetry data from vEdge routers
- C. distribute security information for tunnel establishment between vEdge routers
- D. manage, maintain, and gather configuration and status for nodes within the SD-WAN fabric

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 55**

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

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 56**

At which layer does Cisco DNA Center support REST controls?

- A. session layer
- B. northbound APIs
- C. EEM applets or scripts
- D. YAML output from responses to API calls

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 57**

What is the difference between the enable password and the enable secret password when service password encryption is enabled on an IOS device?

- A. The enable secret password is protected via stronger cryptography mechanisms.

- B. The enable password cannot be decrypted.
- C. The enable password is encrypted with a stronger encryption method.
- D. There is no difference and both passwords are encrypted identically.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 58**

Which statement describes the IP and MAC allocation requirements for virtual machines on Type 1 hypervisors?

- A. Virtual machines do not require a unique IP or unique MAC. They share the IP and MAC address of the physical server.
- B. Each virtual machine requires a unique IP address but shares the MAC address with the physical server.
- C. Each virtual machine requires a unique IP and MAC addresses to be able to reach to other nodes.
- D. Each virtual machine requires a unique MAC address but shares the IP address with the physical server.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 59**

A local router shows an EBGP neighbor in the Active state.

Which statement is true about the local router?

- A. The local router is attempting to open a TCP session with the neighboring router.
- B. The local router is receiving prefixes from the neighboring router and adding them in RIB-IN.
- C. The local router has active prefixes in the forwarding table from the neighboring router.
- D. The local router has BGP passive mode configured for the neighboring router.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 60**

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

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

**Correct Answer:** B

**Section:** (none)

## **Explanation**

### **Explanation/Reference:**

Reference: <https://community.cisco.com/t5/networking-documents/understanding-span-rspan-and-erspan/tap/3144951>