

Cisco

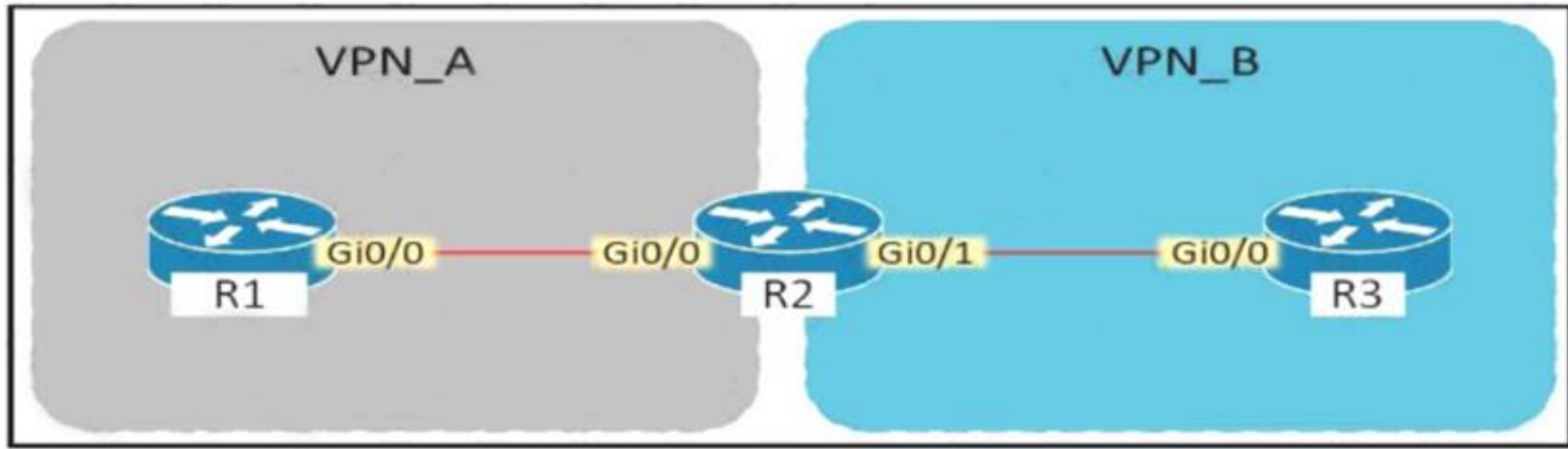
Exam Questions 350-401

Implementing and Operating Cisco Enterprise Network Core Technologies



NEW QUESTION 1

Refer to the exhibit.



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

- A. VRF VPN_B
- B. Default VRF
- C. Management VRF
- D. VRF VPN_A

Answer: D

NEW QUESTION 2

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

- A. Agentless tools require no messaging systems between master and slaves.
- B. Agentless tools use proxy nodes to interface with slave nodes.
- 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.

Answer: D

NEW QUESTION 3

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

Answer: C

NEW QUESTION 4

Which statement about Cisco Express Forwarding is true?

- A. It uses a fast cache that is maintained in a router data plane.
- B. 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: B

NEW QUESTION 5

Which statement about a fabric access point is true?

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

Answer: C

NEW QUESTION 6

Which OSPF network 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: B

NEW QUESTION 7

Which access controls list allows only TCP traffic with a destination port range of 22-433, excluding port 80?

- A. Deny tcp any any eq 80 Permit tcp any any gt 21 lt 444
- B. Permit tcp any any ne 80
- C. Permit tcp any any range 22 443 Deny tcp any any eq 80
- D. Deny tcp any any ne 80 Permit tcp any any range 22 443

Answer: A

NEW QUESTION 8

Refer to 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 pruning
- B. SW3(config)#vtp mode transparent
- C. SW2(config)#vtp pruning
- D. SW1 (config >»vtp mode transparent

Answer: A

NEW QUESTION 9

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

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

What does the code mean?

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

Answer: A

NEW QUESTION 10

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

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

Answer: C

NEW QUESTION 10

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

- A. Each virtual machine requires a unique IP and MAC addresses to be able to reach to other nodes.
- B. Each virtual machine requires a unique IP address but shares the MAC address with the physical server
- C. Each virtual machines requires a unique IP address but shares the MAC address with the address of the physical server.
- D. Each virtual machine requires a unique MAC address but shares the IP address with the physical server.

Answer: A

NEW QUESTION 14

Which two GRE features are configured to prevent fragmentation? (Choose two.)

- A. TCP window size
- B. TCP MSS
- C. IP MTU
- D. DF bit clear
- E. MTU ignore

Answer: BC

NEW QUESTION 17

Which statement about VXLAN is true?

- A. VXLAN uses TCP 35 the transport protocol over the physical data center network
- B. VXLAN extends the Layer 2 Segment ID field to 24-bit
- C. which allows up to 4094 unique Layer 2 segments over the same network.

- D. VXLAN encapsulates a Layer 2 frame in an IP-UDP header, which allows Layer 2 adjacency across router boundaries.
- E. VXLAN uses the Spanning Tree Protocol for loop prevention.

Answer: C

NEW QUESTION 21

At which Layer does Cisco DNA Center support REST controls?

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

Answer: D

NEW QUESTION 23

What do Cisco DNA southbound APIs provide?

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

Answer: A

NEW QUESTION 28

Refer to the exhibit.



The WLC administrator sees that the controller to which a roaming client associates has Mobility Role Anchor configured under Clients > Detail. Which type of roaming is supported?

- A. Indirect
- B. Layer 3 intercontroller
- C. Layer 2 intercontroller
- D. Intracontroller

Answer: B

NEW QUESTION 30

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

Answer: B

NEW QUESTION 31

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 no supported on Cisco devices.
- C. It required certificates for authentication.
- D. It is used for HTTP and HTTPs requests.

Answer: C

NEW QUESTION 35

Drag and drop the characteristics from the left onto the correct routing protocol types on the right.

supports unequal path load balancing

link state routing protocol

distance vector routing protocol

metric is based on delay and reliability 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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
OSPF: SEGMENT, LINK STATE, TABLES
EIGRP: UNEQUAL PATH, DISTANCE VECTOR, METRIC

NEW QUESTION 38

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

Answer: C

NEW QUESTION 42

What is the correct EBGp path attribute list, ordered from most preferred to the least preferred, that the BGP best-path algorithm uses?

- A. weigh
- B. AS path, local preferenc
- C. MED
- D. weight, local preference AS path, MED
- E. local preference weight AS path, MED
- F. local preference, weight MED, AS path

Answer: B

NEW QUESTION 44

Refer to the exhibit.


```
SwitchC#show vtp status
VTP Version                : 2
Configuration Revision      : 0
Maximum VLANs supported locally : 255
Number of existing VLANs    : 8
VTP Operating Mode          : Transparent
VTP Domain Name             : cisco.com
VTP Pruning Mode            : Disabled
VTP V2 Mode                 : Disabled
VTP Traps Generation        : Disabled
MD5 digest                  : 0xE5 0x28 0x5D 0x3E 0x2F 0xE5 0xAD 0x2B
Configuration last modified by 0.0.0.0 at 1-10-19 09:01:38

SwitchC#show vlan brief

VLAN Name                Status        Ports
-----
1    default              active       Fa0/3, Fa0/4, Fa0/5, Fa0/6
                                           Fa0/7, Fa0/8, Fa0/9, Fa0/10
                                           Fa0/11, Fa0/12, Fa0/13, Fa0/14
                                           Fa0/15, Fa0/16, Fa0/17, Fa0/18
                                           Fa0/19, Fa0/20, Fa0/21, Fa0/22
                                           Fa0/23, Fa0/24, Po1
110  Finance              active
210  HR                   active       Fa0/1
310  Sales                 active       Fa0/2
[...output omitted...]

SwitchC#show int trunk

Port      Mode      Encapsulation  Status        Native vlan
Gig1/1    on        802.1q         trunking      1
Gig1/2    on        802.1q         trunking      1

Port      Vlans allowed on trunk
Gig1/1    1-1005
Gig1/2    1-1005

Port      Vlans allowed and active in management domain
Gig1/1    1,110,210,310
Gig1/2    1,110,210,310

Port      Vlans in spanning tree forwarding state and not pruned
Gig1/1    1,110,210,310
Gig1/2    1,110,210,310

SwitchC#show run interface port-channel 1
interface Port-channel 1
 description Uplink_to_Core
 switchport mode trunk
```

SwitchC connects HR and Sales to the Core switch. However, business needs require that no traffic from the Finance VLAN traverse this switch. Which command meets this requirement?

A)

SwitchC(config)#vtp pruning

B)

SwitchC(config)#vtp pruning vlan 110

C)

SwitchC(config)#interface port-channel 1
SwitchC(config-if)#switchport trunk allowed vlan add 210,310

D)

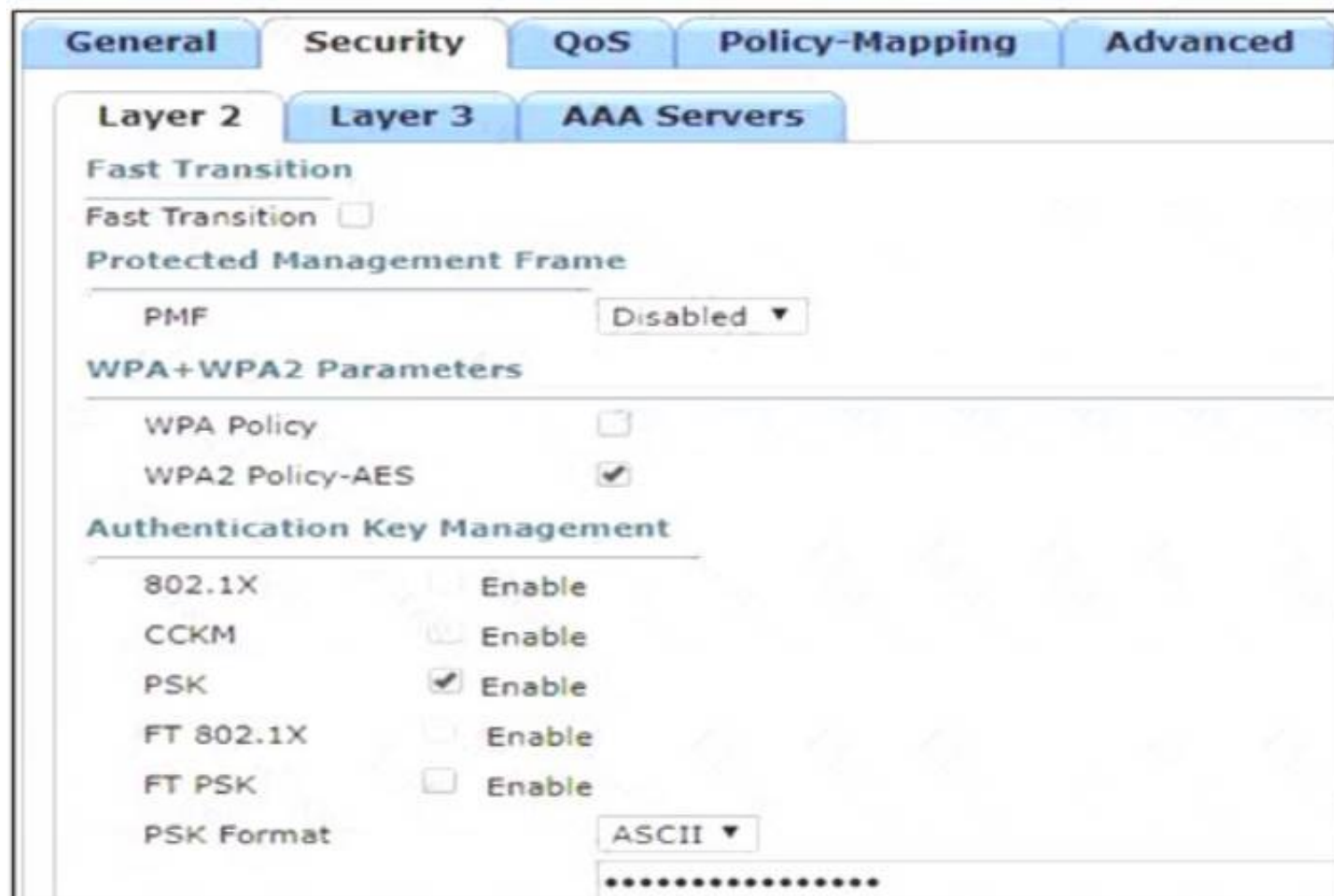
SwitchC(config)#interface port-channel 1
SwitchC(config-if)#switchport trunk allowed vlan remove 110

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

Answer: D

NEW QUESTION 45

Refer to the exhibit.



The image shows a Cisco configuration page for WLAN security. The tabs at the top are General, Security, QoS, Policy-Mapping, and Advanced. Under the Security tab, there are sub-tabs for Layer 2, Layer 3, and AAA Servers. The Layer 3 tab is selected. The configuration includes:

- Fast Transition:** Fast Transition checkbox is unchecked.
- Protected Management Frame:** PMF is set to Disabled.
- WPA+WPA2 Parameters:** WPA Policy is unchecked, and WPA2 Policy-AES is checked.
- Authentication Key Management:**
 - 802.1X: Enable checkbox is unchecked.
 - CCKM: Enable checkbox is unchecked.
 - PSK: Enable checkbox is checked.
 - FT 802.1X: Enable checkbox is unchecked.
 - FT PSK: Enable checkbox is unchecked.
 - PSK Format: Set to ASCII.

Based on the configuration in this WLAN security setting, Which method can a client use to authenticate to the network?

- A. text string
- B. username and password
- C. certificate
- D. RADIUS token

Answer: A

NEW QUESTION 50

What is the difference between a RIB and a FIB?

- A. The RIB is used to make IP source prefix-based switching decisions
- B. The FIB is where all IP routing information is stored
- C. The RIB maintains a mirror image of the FIB
- D. The FIB is populated based on RIB content

Answer: D

NEW QUESTION 53

Refer to the exhibit.

PYTHON CODE.

```
import requests
import json

url='http://YOURIP/ins'
switchuser='USERID'
switchpassword='PASSWORD'

myheaders={'content-type': 'application/json'}
payload={
    "ins_api": {
        "version": "1.0",
        "type": "cli_show",
        "chunk": "0",
        "sid": "1",
        "input": "show version",
        "output_format": "json"
    }
}
response = requests.post(url,data=json.dumps(payload), headers=myheaders,auth=(switchuser,switchpassword)) json()
print(response["ins_api"]["outputs"]["output"]["body"]["kickstart_ver_str"])
```

HTTP JSON Response

```
{
  "ins_api": {
    "type": "cli_show",
    "version": "1.0",
    "sid": "eoc",
    "outputs": [
      "output": {
        "input": "show version",
        "msg": "Success",
        "code": "200",
        "body": [
          "bios_ver_str: 07.61",
          "kickstart_ver_str: 7.0(3)I7(4)",
          "bios_cmpl_time: 04/06/2017",
          "kick_file_name: bootflash://nxos.7.0.3.I7.4.bin",
          "kick_cmpl_time: 6/14/1970 2:00:00",
          "kick_tmstamp: 06/14/1970 09:49:04",
          "chassis_id: Nexus9000 93180YC-FX chassis",
          "cpu_name: Intel(R) Xeon(R) CPU @ 1.80GHz",
          "memory: 24633488",
          "mem_type: kB",
          "ir_usec: 134703",
          "ir_ctime: Sun Mar 10 15:41:46 2019",
          "ir_reason: Reset Requested by CLI command reload",
          "ir_sys_ver: 7.0(3)I7(4)",
          "ir_service": "",
          "manufacturer: Cisco Systems, Inc.",
          "TABLE_package_list": {
            "ROW_package_list": {
              "package_id": []
            }
          }
        ]
      }
    ]
  }
}
```

Which HTTP JSON response does the python code output give?

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

Answer: B

NEW QUESTION 55

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 64517 i
*                   192.168.101.14    80          0 64516 i
*                   192.168.101.10          0 64515 64515 i
*>                  192.168.101.2          32768 64513 i
*                   192.168.101.6          80          0 64514 64514 i
```

Which IP address becomes the active next hop for 192.168.102 0/24 when 192.168.101.2 fails?

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

Answer: A

NEW QUESTION 60

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

Answer: B

NEW QUESTION 63

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

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

Answer: AD

NEW QUESTION 66

What does this EEM applet event accomplish?

```
"event snmp oid 1.3.6.1.3.7.1.5.1.2.4.2.9 get-type next entry-op g entry-val 75 poll-interval 5"
```

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

Answer: B

NEW QUESTION 67

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