```
{
  "@message-id": "101",
  "edit-config": {
    "target": {
      "name":"100",
    }
    "config": {
      "native": {
        "ip": {
          "prefix-list": {
            "prefixes": {
              "permit":
            "permit": {
              "prefix-only-list": {
                "prefix": "192.168.1.0/24"
              }
            }
          }
        }
      },
      "route-map": {
        "name": "Routes",
        "route-map-without-order-seq": {
          "seq_no":     "10",
          "local-preference": "200"
          "match": {
            "ip": {
              "address": {
                "prefix-list": "100"
              }
            }
          }
        }
      }
    }
  }
}
```
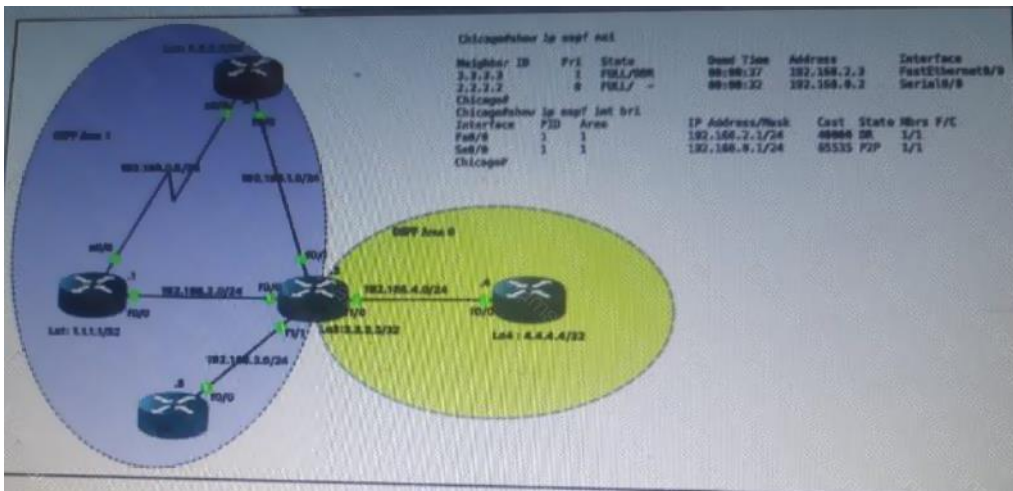
"running": null
"seq_no":
"config": null
"permit":
"match":
"name":"100",

QUESTION 245
Refer the exhibit. Which router is the designated router on the segment 192.168.0.0/24?

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

Correct Answer: B

QUESTION 246
What is a consideration when designing a Cisco SD-Access underlay network?

A. End user subnets and endpoints are part of the underlay network.
B. The underlay switches provide endpoint physical connectivity for users.
C. Static routing is a requirement,

D. It must support IPv4 and IPv6 underlay networks

Correct Answer: B
Explanation:
https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/cisco-sda-design-guide.html#Underlay

QUESTION 247
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?

```
R2#show standby
FastEthernet1/0 - Group 50
  State is Active
    2 state changes, last state change 00:04:02
  Virtual IP address is 10.10.1.1
  Active virtual MAC address is 0000.0c07.ac32 (MAC In Use)
    Local virtual MAC address is 0000.0c07.ac32 (v1 default)
  Hello time 3 sec, hold time 10 sec
    Next hello sent in 1.504 secs
  Preemption enabled, delay reload 90 secs
  Active router is local
  Standby router is unknown
  Priority 200 (configured 200)
    Track interface FastEthernet0/0 state Up decrement 20
  Group name is "hsrp-Fa1/0-50" (default)
R2#
%IP-4-DUPADDR: Duplicate address 10.10.1.1 on FastEthernet1/0, sourced by 0000.0c07.ac28
R2#
```

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

Correct Answer: A

QUESTION 248
Refer to the exhibit. Which Python code snippet prints the descriptions of disabled interfaces only?

```
>>> netconf_data["GigabitEthernet"][0]["enabled"]
u'false'
>>> netconf_data["GigabitEthernet"][1]["enabled"]
u'true'
>>> netconf_data["GigabitEthernet"][2]["enabled"]
u'false'
>>> netconf_data["GigabitEthernet"][0]["description"]
u'my description'
```

A.
```
for interface in netconf_data["GigabitEthernet"]:
    if interface["disabled"] != 'true':
        print(interface["description"])
```

B.
```
for interface in netconf_data["GigabitEthernet"]:
    print(interface["enabled"])
    print(interface["description"])
```

C.
```
for interface in netconf_data["GigabitEthernet"]:
    if interface["enabled"] != 'false':
        print(interface["description"])
```

D.
```
for interface in netconf_data["GigabitEthernet"]:
    if interface["enabled"] != 'true':
        print(interface["description"])
```

Correct Answer: D

QUESTION 249
A client device roams between wireless LAN controllers that are mobility peers. Both controllers have dynamic interface on the same client VLAN which type of roam is described?

A. intra-VLAN
B. inter-controller
C. intra-controller
D. inter-subnet

Correct Answer: B

QUESTION 250
Refer to the exhibit. A network engineer must log in to the router via the console, but the RADIUS servers are not reachable Which credentials allow console access1?

```
Router# show running-config
! lines omitted for brevity


username cisco password 0 cisco

aaa authentication login group1 group radius line
aaa authentication login group2 group radius local
aaa authentication login group3 group radius none


line con 0
password 0 cisco123
login authentication group1
line aux 0
login authentication group3
line vty 0 4
password 0 test123
login authentication group2
```

A. the username "cisco" and the password "Cisco"
B. no username and only the password "test123"
C. no username and only the password "cisco123"
D. the username "cisco" and the password "cisco123"

Correct Answer: D

QUESTION 251
A Cisco DNA Center REST API sends a PUT to the /dna/intent/api/v1/network-device endpoint A response code of 504 is received. What does the code indicate?

A. The response timed out based on a configured interval
B. The user does not have authorization to access this endpoint.

C. The username and password are not correct
D. The web server is not available

Correct Answer: A

QUESTION 252
What are two benefits of implementing a Cisco SD-WAN architecture? (Choose two)

A. It provides resilient and effective traffic flow using MPLS.
B. It improves endpoint protection by integrating embedded and cloud security features.
C. It allows configuration of application-aware policies with real time enforcement.
D. It simplifies endpoint provisioning through standalone router management
E. It enforces a single. scalable. hub-and-spoke topology.

Correct Answer: CD
Explanation:
The top SD-WAN benefits are:

■Increased bandwidth at a lower cost.
■Centralized management across branch networks.
■Full visibility into the network.
■Providing organizations with more connection type options and vendor selection when building
  a network.

QUESTION 253
Refer to the exhibit. R2 is the neighboring router of R1. R2 receives an advertisement for network
192 168.10.50/32. Which configuration should be applied for the subnet to be advertised with the
original /24 netmask?

```
R1#show run | b router ospf

router ospf 1

network 192.168.10.0 0.0.0.255 area 0


R1#show run | b interface loopback0

interface loopback0

ip address 192.168.10.50 255.255.255.0
```

A. R1(config)#**router ospf 1**
    R1(config-router)#**network 192.168.10.0 255.255.255.0 area 0**

B. R1(config)#**interface loopback0**
    R1(config-if)# **ip ospf 1 area 0**

C. R1(config)# **interface loopback0**
    R1(config-if)# **ip ospf network point-to-point**

D. R1(config)# **interface loopback0**
    R1(config-if)# **ip ospf network non-broadcast**

Correct Answer: C

QUESTION 254
How does the RIB differ from the FIB?

A. The RIB is used to create network topologies and routing tables. The FIB is a list of routes to particular network destinations.
B. The FIB includes many routes a single destination. The RIB is the best route to a single destination.
C. The RIB includes many routes to the same destination prefix. The FIB contains only the best route
D. The FIB maintains network topologies and routing tables. The RIB is a list of routes to particular network destinations.

Correct Answer: A

QUESTION 255
Refer to the exhibit. After configuring HSRP an engineer enters the show standby command.
Which two facts are derived from the output? (Choose two.)

```
R2#show standby
FastEthernet1/0 - Group 40
  State is Standby
    4 state changes, last state change 00:01:51
  Virtual IP address is 10.10.1.1
  Active virtual MAC address is 0000.0c07.ac28 (MAC Not In Use)
    Local virtual MAC address is 0000.0c07.ac28 (v1 default)
  Hello time 3 sec, hold time 10 sec
    Next hello sent in 1.856 secs
  Preemption disabled
  Active router is 10.10.1.3, priority 85 (expires in 8.672 sec)
  Standby router is local
  Priority 90 (configured 90)
    Track interface FastEthernet0/0 state Up decrement 10
  Group name is "hsrp-Fa1/0-40" (default)
```

A. The router with IP 10.10 1.3 is active because it has a higher IP address
B. If Fa0/0 is shut down, the HSRP priority on R2 becomes 80
C. R2 Fa1/0 regains the primary role when the link comes back up
D. R2 becomes the active router after the hold time expires.
E. R2 is using the default HSRP hello and hold timers.

Correct Answer: DE

QUESTION 256
What is a characteristic of a next-generation firewall?

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

Correct Answer: D
Explanation:
The feature set for NGFWs build upon traditional firewall features by including critical security functions like intrusion prevention, VPN, and anti-virus, and even encrypted web traffic inspection