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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.

Correct Answer: C

Explanation:

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)

QUESTION 174

which entity is a Type 1 hypervisor?

- A. Oracle VM VirtualBox
- B. VMware server
- C. Citrix XenServer
- D. Microsoft Virtual PC

Correct Answer: C

QUESTION 175

Which two items are found in YANG data models? (Choose two.)

- A. HTTP return codes
- B. rpc statements
- C. JSON schema
- D. container statements
- E. XML schema

Correct Answer: CE

QUESTION 176

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

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<https://www.ensurepass.com/350-401.html>

Correct Answer: A

Explanation:

The following different OSPF types are compatible with each other:

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

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

QUESTION 177

What is a characteristic of YANG?

- A. It is a Cisco proprietary language that models NETCONF data
- B. It allows model developers to create custom data types
- C. It structures data in an object-oriented fashion to promote model reuse
- D. It provides loops and conditionals to control how within models

Correct Answer: C

QUESTION 178

What does the cisco REST response indicate?

```
{
  "response": [
    {
      "family": "Routers",
      "interfaceCount": "12",
      "macCardCount": "9",
      "platform": "ASR1001-X",
      "reachabilityFailureReason": "",
      "reachabilityStatus": "Reachable",
      "hostname": "RouterASR-1",
      "macAddress": "00:0b:8b:bb:00:00"
    },
    {
      "family": "Switches and Hubs",
      "interfaceCount": "41",
      "macCardCount": "2",
      "platform": "C6300-24UX",
      "reachabilityFailureReason": "",
      "reachabilityStatus": "Authentication Failed",
      "hostname": "cat9000-1",
      "macAddress": "98:7a:2b:67:52:8f"
    },
    {
      "family": "Switches and Hubs",
      "interfaceCount": "59",
      "macCardCount": "2",
      "platform": "WS-C3850-48U-E",
      "reachabilityFailureReason": "Unreachable",
      "reachabilityStatus": "Unreachable",
      "hostname": "cat3850-1",
      "macAddress": "0c:d9:c1:15:02:80"
    }
  ]
  "version": "1.0"
}
```

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

Correct Answer: C

QUESTION 179

A system must validate access rights to all its resources and must not rely on a cached permission matrix. If the access level to a given resource is revoked but is not reflected in the permission matrix, the security is violated Which term refers to this REST security design principle?

- A. economy of mechanism

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- B. complete mediation
- C. separation of privilege
- D. least common mechanism

Correct Answer: B

Explanation:

A system should validate access rights to all its resources to ensure that they are allowed and should not rely on the cached permission matrix. If the access level to a given resource is being revoked, but that is not being reflected in the permission matrix, it would be violating security.

<https://medium.com/strike-sh/rest-security-design-principles-434bd6ee57ea>

QUESTION 180

Refer to the exhibit. A network engineer must configure NETCONF. After creating the configuration, the engineer gets output from the command show line, but not from show running-config. Which command completes the configuration?

```
Device# configure terminal
Device(config)# netconf ssh acl 1
Device(config)# netconf lock-time 100
Device(config)# netconf max-sessions 1
Device(config)# netconf max-message 10
```

- Device(config)# netconf lock-time 500
- Device(config)# netconf max-message 1000
- Device(config)# no netconf ssh acl 1
- Device(config)# netconf max-sessions 100

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

Correct Answer: A

QUESTION 181

Refer to the Exhibit. An engineer is installing a new pair of routers in a redundant configuration. When checking on the standby status of each router the engineer notices that the routers are not functioning as expected. Which action will resolve the configuration error?

<pre>R1 key chain cisco123 key 1 key-string Cisco123! Ethernet0/0 - Group 10 State is Active 17 state changes, last state change 00:02:49 Virtual IP address is 192.168.0.1 Active virtual MAC address is 0000.0c07.ac0a Local virtual MAC address is 0000.0c07.ac0a (vl default) Hello time 5 sec, hold time 15 sec Next hello sent in 2.850 secs Authentication MD5, key-chain "cisco123" Preemption enabled Active router is local Standby router is unknown Priority 255 (configured 255) Group name is "workstation-group" (cfgd)</pre>	<pre>R2 key chain cisco123 key 1 key-string cisco123! Ethernet0/0 - Group 10 State is Active 17 state changes, last state change 00:02:17 Virtual IP address is 192.168.0.1 Active virtual MAC address is 0000.0c07.ac0a Local virtual MAC address is 0000.0c07.ac0a (vl default) Hello time 10 sec, hold time 30 sec Next hello sent in 6.720 secs Authentication MD5, key-chain "cisco123" Preemption disabled Active router is local Standby router is unknown Priority 200 (configured 200) Group name is "workstation-group" (cfgd)</pre>
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- A. configure matching hold and delay timers
- B. configure matching key-strings

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- C. configure matching priority values
- D. configure unique virtual IP addresses

Correct Answer: B

Explanation:

From the output exhibit, we notice that the key-string of R1 is Cisco123! (letter C is in capital) while that of R2 is cisco123!. This causes a mismatch in the authentication so we have to fix their key-strings.

key-string [encryption-type] text-string : Configures the text string for the key. The text-string argument is alphanumeric, case-sensitive, and supports special characters.

QUESTION 182

Refer to the exhibit. Cisco IOS routers R1 and R2 are interconnected using interface Gi0/0. Which configuration allows R1 and R2 to form an OSPF neighborship on interface Gi0/0?

```
R1#show ip ospf interface Gi0/0
GigabitEthernet0/0 is up, line protocol is up
Internet Address 172.20.0.1/24, Area 0, Attached via
Network Statement
Process ID 1, RouterID 172.20.0.1, Network Type
BROADCAST, Cost: 1
Topology-MTID      Cost      Disabled   Shutdown
Topology Name
0                  1         no        no
Base
Transmit Delay is 1 sec, State DR, Priority 1
Designated Router (ID) 172.20.0.1, Interface address
172.20.0.1
No backup designated router on this network
Timer intervals configured,Hello 10,Dead 40, Wait 40,
Retransmit 5
oob-resync timeout 40
No Hellos (Passive interface)
Supports Link-local Signaling (LLS)
Cisco NSF helper support enabled

R2#show ip ospf interface Gi0/0
GigabitEthernet0/0 is up, line protocol is up
Internet Address 172.20.0.2/24, Area 0, Attached via
Network Statement
Process ID 1, RouterID 172.20.0.2, Network Type
BROADCAST, Cost: 5
Topology-MTID      Cost      Disabled   Shutdown
Topology Name
0                  5         no        no
Base
Transmit Delay is 1 sec, State DR, Priority 1
Designated Router (ID) 172.20.0.2, Interface address
172.20.0.2
No backup designated router on this network
Timer intervals configured,Hello 10,Dead 40, Wait 40,
Retransmit 5
oob-resync timeout 40
Hello due in 00:00:01
Supports Link-local Signaling (LLS)
Cisco NSF helper support enabled
IETF NSF helper support enabled
```

- R2(config)#router ospf 1
R2(config-router)#passive-interface Gi0/0
- R2(config)#interface Gi0/0
R2(config-if)#ip ospf cost 1
- R1(config)#router ospf 1
R1(config-router)#no passive-interface Gi0/0
- R1(config)#router ospf 1
R1(config-if)#network 172.20.0.0 0.0.0.255 area 1

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

Correct Answer: C

QUESTION 183

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

```
%OSPF-5-ADJCHG: Process 1, Nbr 10.0.0.2 on FastEthernet0/0 from  
FULL to DOWN, Neighbor Down: Interface down or detached  
%OSPF-6-AREACHG: 10.0.0.1/32 changed from area 0 to area 1  
%OSPF-4-ERRRCV: Received invalid packet: mismatch area ID, from  
backbone area must be virtual-link but not found from 10.0.0.2,  
FastEthernet0/0
```

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

Correct Answer: B

QUESTION 184

Which HTTP code must be returned to prevent the script from exiting?

```
def get_token () :  
    device_uri = "https://192.168.1.1/dnssystem/api/v1/auth/token"  
    http_result = requests.post(device_uri, auth = ("test", "test398810436!"))  
    if http_result.status_code != requests.codes.ok:  
        print ("Call failed! Review get_token ().")  
        sys.exit ()  
    return (http_result.json () ["Token"])
```

- A. 200
- B. 201
- C. 300
- D. 301

Correct Answer: A

QUESTION 185

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

Correct Answer: D

QUESTION 186

Refer to the exhibit. A network engineer must block Telnet traffic from hosts in the range of 10.100.2.248 to 10.100.2.255 to the network 10.100.3.0 and permit everything else. Which configuration must the engineer apply'?