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 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

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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-topoint/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 now within models

Correct Answer: C

QUESTION 178

What does the cisco REST response indicate?



- 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 violates Which term refers to this REST security design principle?

A. economy of mechanism

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

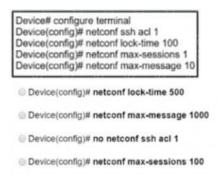
Correct Answer: B Explanation:

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?

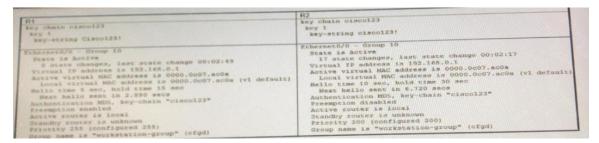


- A. Option A
- B. Option B
- C. Option C
- D. Option D

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?



- A. configure matching hold and delay timers
- B. configure matching key-strings

- 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 G10/0	R2#show ip ospf interface Gi0/0
GigabitEthernet0/0 is up, line protocol is up	GigabitEthernet0/0 is up, line protocol is up
Internet Address 172.20.0.1/24, Area 0, Attached via	Internet Address 172.20.0.2/24, Area 0, Attached via
Network Statement	Network Statement
Process ID 1, RouterID 172.20.0.1, Network Type	Process ID 1, RouterID 172.20.0.2, Network Type
BROADCAST, Cost: 1	BROADCAST, Cost: 5
Topology-MTID Cost Disabled Shutdown	Topology-MTID Cost Disabled Shutdown
Topology Name	Topology Name
0 1 no no	0 5 no no
Base	Base
Transmit Delay is 1 sec, State DR, Priority 1	Transmit Delay is 1 sec, State DR, Priority 1
Designated Router (ID) 172.20.0.1, Interface address	Designated Router (ID) 172.20.0.2, Interface address
172.20.0.1	172.20.0.2
	No backup designated router on this network
No backup designated router on this network	Timer intervals configured, Hello 10, Dead 40, Wait 40,
Timer intervals configured, Hello 10, Dead 40, Wait 40,	Retransmit 5
Retransmit 5	oob-resync timeout 40
oob-resync timeout 40	Hello due in 00:00:01
No Hellos (Passive interface)	Supports Link-local Signaling (LLS)
Supports Link-local Signaling (LLS)	Cisco NSF helper support enabled
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-ERRCV: 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 form exiting?

```
def get_token () :
 device_uri = "https://192.168.1.1/dna/system/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. Yaqi
- 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'?