

➤ **Vendor: Cisco**

➤ **Exam Code: 350-401**

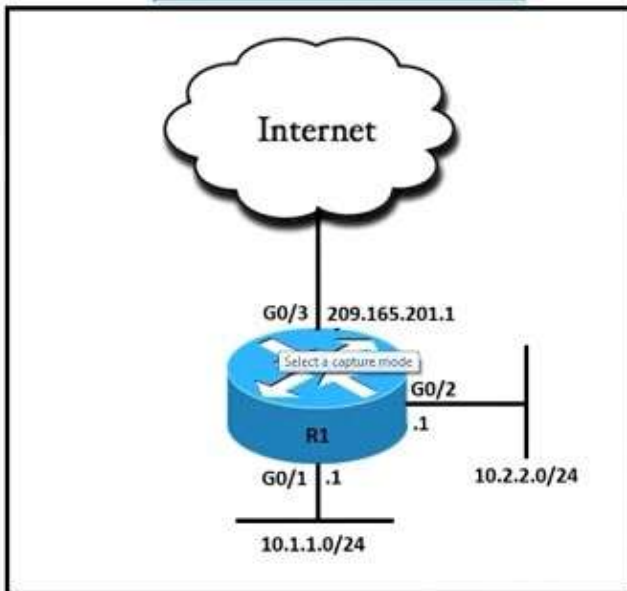
➤ **Exam Name: Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)**

➤ **New Updated Questions from [Braindump2go](#) (Updated in [Jan./2021](#))**

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**QUESTION 299**

Refer to the exhibit. An engineer must allow all users in the 10.2.2.0/24 subnet to access the Internet. To conserve address space, the public interface address of 209.165.201.1 must be used for all external communication. Which command set accomplishes these requirements?



A. 

```
access-list 10 permit 10.2.2.0 0.0.0.255

interface G0/3
ip nat outside

interface G0/2
ip nat inside

ip nat inside source list 10 interface G0/2 overload
```

- B. `access-list 10 permit 10.2.2.0 0.0.0.255`
- `interface G0/3`  
`ip nat outside`
- `interface G0/2`  
`ip nat inside`
- `ip nat inside source list 10 209.165.201.1`
- C. `access-list 10 permit 10.2.2.0 0.0.0.255`
- `interface G0/3`  
`ip nat outside`
- `interface G0/2`  
`ip nat inside`
- `ip nat inside source list 10 interface G0/3`
- D. `access-list 10 permit 10.2.2.0 0.0.0.255`
- `interface G0/3`  
`ip nat outside`
- `interface G0/2`  
`ip nat inside`
- `ip nat inside source list 10 interface G0/3 overload`

**Answer:** D

**Explanation:**

The command `ip nat inside source list 10 interface G0/3 overload` configures NAT to overload (PAT) on the address that is assigned to the G0/3 interface.

### QUESTION 300

Which router is elected the IGMP Querier when more than one router is in the same LAN segment?

- A. The router with the shortest uptime
- B. The router with the lowest IP address
- C. The router with the highest IP address
- D. The router with the longest uptime

**Answer:** B

**Explanation:**

Query messages are used to elect the IGMP querier as follows: 1. When IGMPv2 devices start, they each multicast a general query message to the all-systems group address of 224.0.0.1 with their interface address in the source IP address field of the message. 2. When an IGMPv2 device receives a general query message, the device compares the source IP address in the message with its own interface address. The device with the lowest IP address on the subnet is elected the IGMP querier. 3. All devices (excluding the querier) start the query timer, which is reset whenever a general query message is received from the IGMP querier. If the query timer expires, it is assumed that the IGMP querier has gone down, and the election process is performed again to elect a new IGMP querier.

Reference:

[https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750x\\_3560x/software/release/2\\_2\\_e/multicast/configuration\\_guide/b\\_mc\\_1522e\\_3750x\\_3560x\\_cg/b\\_ipmc\\_3750x\\_3560x\\_chapter\\_01000.html](https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750x_3560x/software/release/2_2_e/multicast/configuration_guide/b_mc_1522e_3750x_3560x_cg/b_ipmc_3750x_3560x_chapter_01000.html)

### QUESTION 301

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

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expected. Which action will resolve the configuration error?

<b>R1</b> key chain cisco123 key 1 key-string Cisco123!	<b>R2</b> key chain cisco123 key 1 key-string cisco123!
<b>Ethernet0/0 - Group 10</b> State is Active 8 state changes, last state change 00:03:33 Virtual IP address is 192.168.0.1 Active virtual MAC address is 0000.0c07.ac0a Local virtual MAC address is 0000.0c07.ac0a (v1 default) Hello time 5 sec, hold time 15 sec Next hello sent in 2.704 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" (cigd)	<b>Ethernet0/0 - Group 10</b> State is Active 17 state changes, last state change 00:03:33 Virtual IP address is 192.168.0.1 Active virtual MAC address is 0000.0c07.ac0a Local virtual MAC address is 0000.0c07.ac0a (v1 default) Hello time 10 sec, hold time 30 sec Next hello sent in 6.704 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" (cigd)

- A. configure matching hold and delay timers
- B. configure matching key-strings
- C. configure matching priority values
- D. configure unique virtual IP addresses

**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.

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/security/configuration/guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Security\\_Configuration\\_Guide/b\\_Cisco\\_Nexus\\_9000\\_Series\\_NX-OS\\_Security\\_Configuration\\_Guide\\_chapter\\_011111.pdf](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/6-x/security/configuration/guide/b_Cisco_Nexus_9000_Series_NX-OS_Security_Configuration_Guide/b_Cisco_Nexus_9000_Series_NX-OS_Security_Configuration_Guide_chapter_011111.pdf)

### QUESTION 302

What is one fact about Cisco SD-Access wireless network deployments?

- A. The access point is part of the fabric underlay
- B. The WLC is part of the fabric underlay
- C. The access point is part the fabric overlay
- D. The wireless client is part of the fabric overlay

**Answer: C**

**Explanation:**

Access Points

+ AP is directly connected to FE (or to an extended node switch) + AP is part of Fabric overlay

Reference: <https://www.ciscolive.com/c/dam/r/ciscolive/us/docs/2018/pdf/BRKEWN-2020.pdf>

### QUESTION 303

What are two considerations when using SSO as a network redundancy feature? (Choose two)

- A. both supervisors must be configured separately
- B. the multicast state is preserved during switchover
- C. must be combined with NSF to support uninterrupted Layer 2 operations
- D. must be combined with NSF to support uninterrupted Layer 3 operations

E. requires synchronization between supervisors in order to guarantee continuous connectivity

**Answer:** DE

**Explanation:**

against failure due to the Supervisor or loss of service because of software problems. The access layer typically provides Layer 2 services with redundant switches making up the distribution layer. The Layer 2 access layer can benefit from SSO deployed without NSF. Some Enterprises have deployed Layer 3 routing at the access layer. In that case, NSF/SSO can be used.

#### QUESTION 304

Drag and Drop Question

Drag and drop the LIPS components on the left to the correct description on the right.

ETR	network infrastructure component that learns of EID-prefix mapping entries from an ETR
map server	IPv4 or IPv6 address of an endpoint within a LISP site
EID	de-encapsulates LISP packets coming from outside of the LISP site to destinations inside of the site

**Answer:**

	map server
	EID
	ETR

#### QUESTION 305

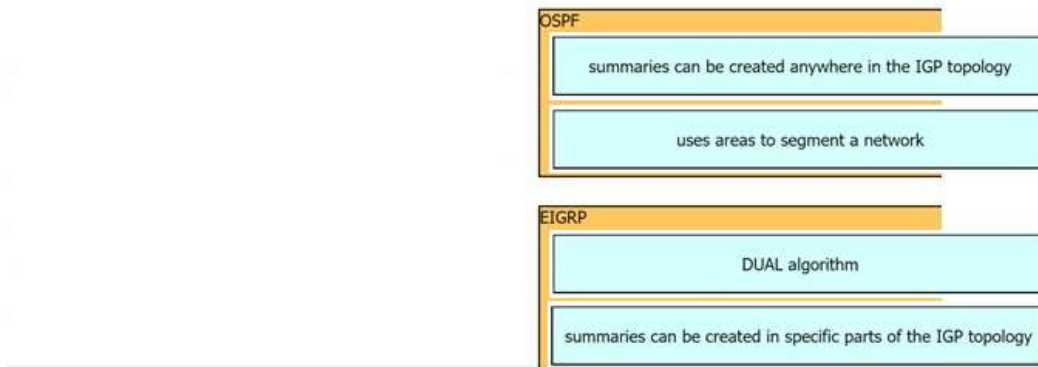
Drag and Drop Question

Drag and Drop the decryptions from the left onto the routing protocol they describe on the right.

summaries can be created anywhere in the IGP topology	OSPF
uses areas to segment a network	
DUAL algorithm	
summaries can be created in specific parts of the IGP topology	EIGRP

**Answer:**

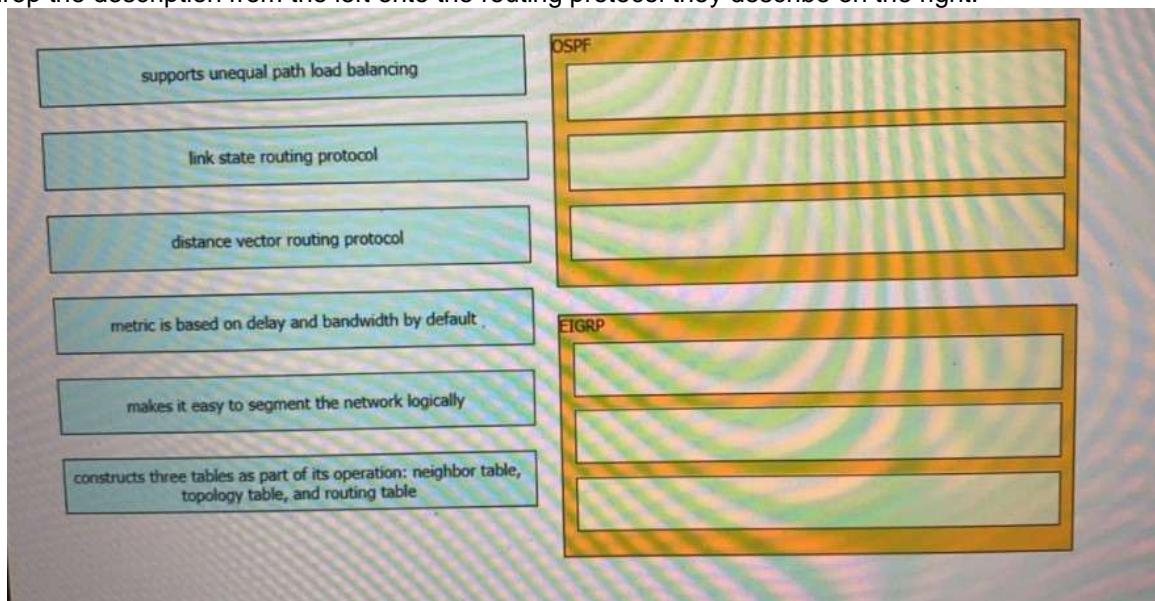




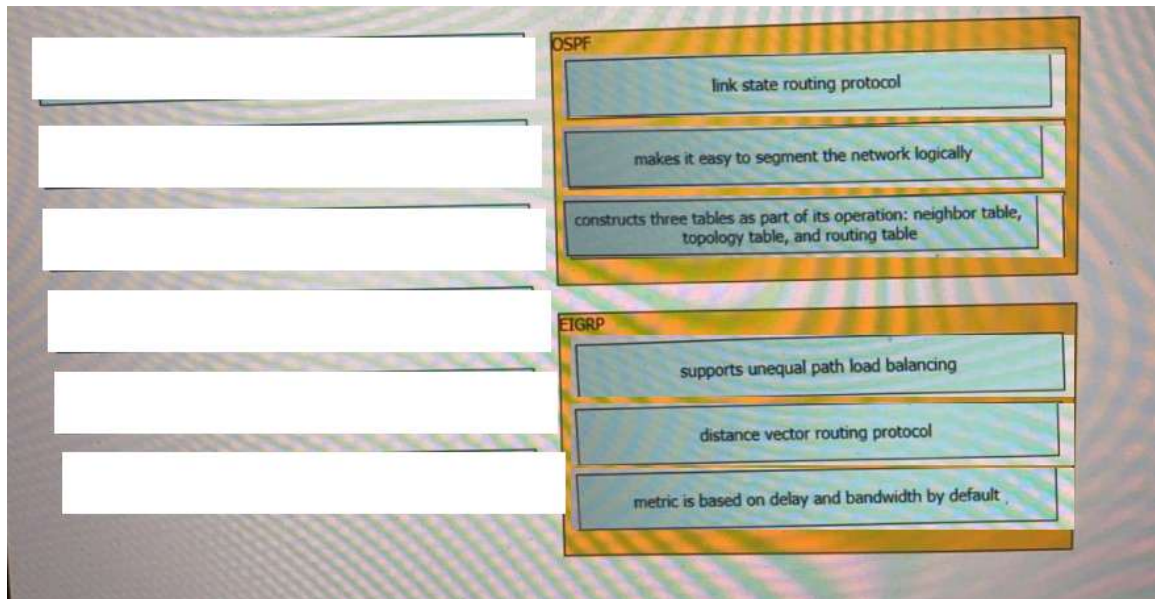
**QUESTION 306**

Drag and Drop Question

Drag the drop the description from the left onto the routing protocol they describe on the right.




**Answer:**



**QUESTION 307**

Drag and Drop Question

Drag and drop the characteristics from the left to the correct Infrastructure deployment type on the right.

	On-premises
significant initial investment but lower reoccurring costs	
pay-as-you-go model	
 physical location of data can be defined in contract with provider	
very scalable and fast delivery of changes in scale	
company has control over the physical security of equipment	


  

	Cloud

**Answer:**

	On-premises
	significant initial investment but lower reoccurring costs
	company has control over the physical security of equipment

	Cloud
	pay-as-you-go model
	physical location of data can be defined in contract with provider
	very scalable and fast delivery of changes in scale