



**Cisco**

**300-410 Exam**

**Implementing Cisco Enterprise Advanced Routing and Services**

**Questions & Answers**

**Demo**

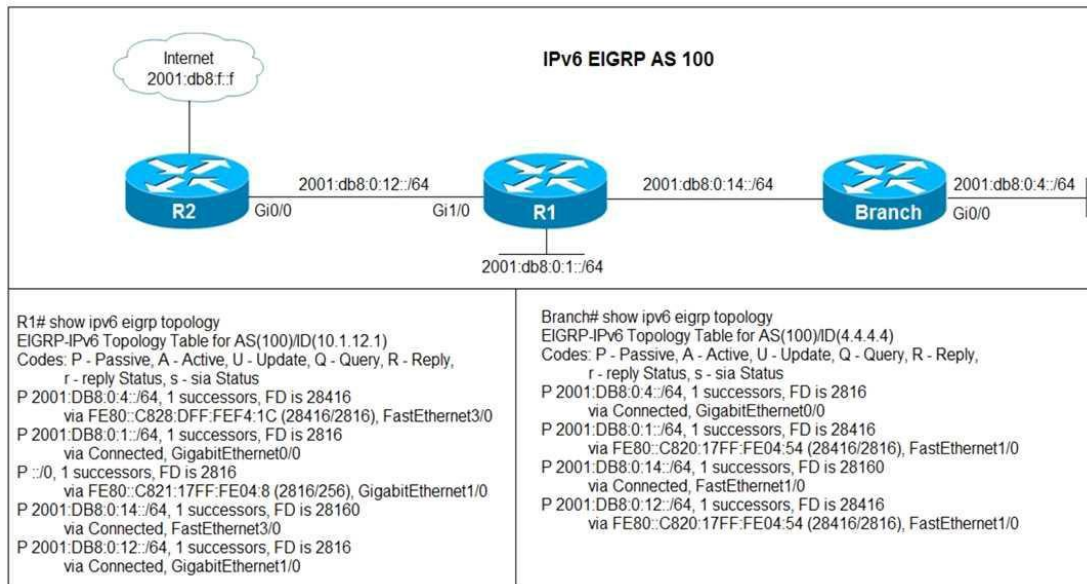
# Version: 23.0

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## Question: 1

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Refer to the exhibit.



Users in the branch network of 2001:db8:0:4::/64 report that they cannot access the Internet. Which command is issued in IPv6 router EIGRP 100 configuration mode to solve this issue?

- A. Issue the eigrp stub command on R1.
- B. Issue the no eigrp stub command on R1
- C. Issue the eigrp stub command on R2.
- D. Issue the no eigrp stub command on R2.

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**Answer: B**

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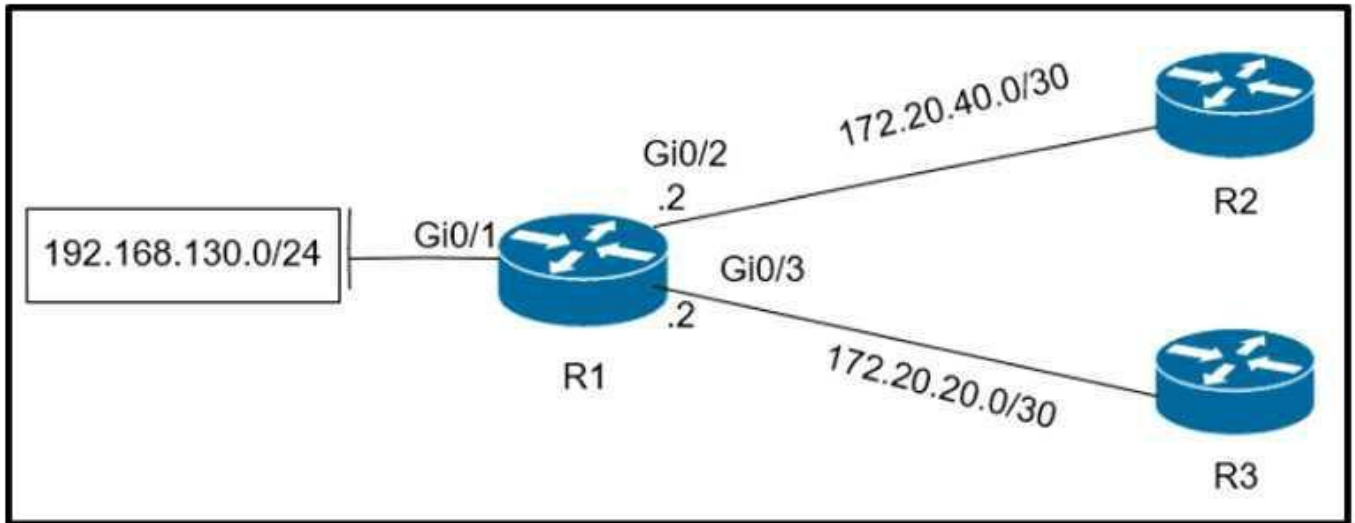


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## Question: 2

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Refer to the exhibit.



Which configuration configures a policy on R1 to forward any traffic that is sourced from the 192.168.130.0/24 network to R2?

```

A. access-list 1 permit 192.168.130.0 0.0.0.255
   |
   | interface Gi0/2
   | ip policy route-map test
   |
   | route-map test permit 10
   | match ip address 1
   | set ip next-hop 172.20.20.2
B. access-list 1 permit 192.168.130.0 0.0.0.255
   |
   | interface Gi0/1
   | ip policy route-map test
   |
   | route-map test permit 10
   | match ip address 1
   | set ip next-hop 172.20.40.2
    
```

- C. `access-list 1 permit 192.168.130.0 0.0.0.255`  
`!`  
`interface Gi0/2`  
`ip policy route-map test`  
`!`  
`route-map test permit 10`  
`match ip address 1`  
`set ip next-hop 172.20.20.1`
- D. `access-list 1 permit 192.168.130.0 0.0.0.255`  
`!`  
`interface Gi0/1`  
`ip policy route-map test`  
`!`  
`route-map test permit 10`  
`match ip address 1`  
`set ip next-hop 172.20.40.1`

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

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**Answer: D**

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### Question: 3

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R2 has a locally originated prefix 192.168.130.0/24 and has these configurations:

```
ip prefix-list test seq 5 permit 192.168.130.0/24
|
route-map OUT permit 10
match ip address prefix-list test
set as-path prepend 65000
```

What is the result when the route-map OUT command is applied toward an eBGP neighbor R1 (1.1.1.1) by using the neighbor 1.1.1.1 route-map OUT out command?

- A. R1 sees 192.168.130.0/24 as two AS hops away instead of one AS hop away.  
 B. R1 does not accept any routes other than 192.168.130.0/24  
 C. R1 does not forward traffic that is destined for 192.168.30.0/24  
 D. Network 192.168.130.0/24 is not allowed in the R1 table

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**Answer: A**

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**Question: 4**

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Which method changes the forwarding decision that a router makes without first changing the routing table or influencing the IP data plane?

- A. nonbroadcast multiaccess
- B. packet switching
- C. policy-based routing
- D. forwarding information base

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**Answer: C**

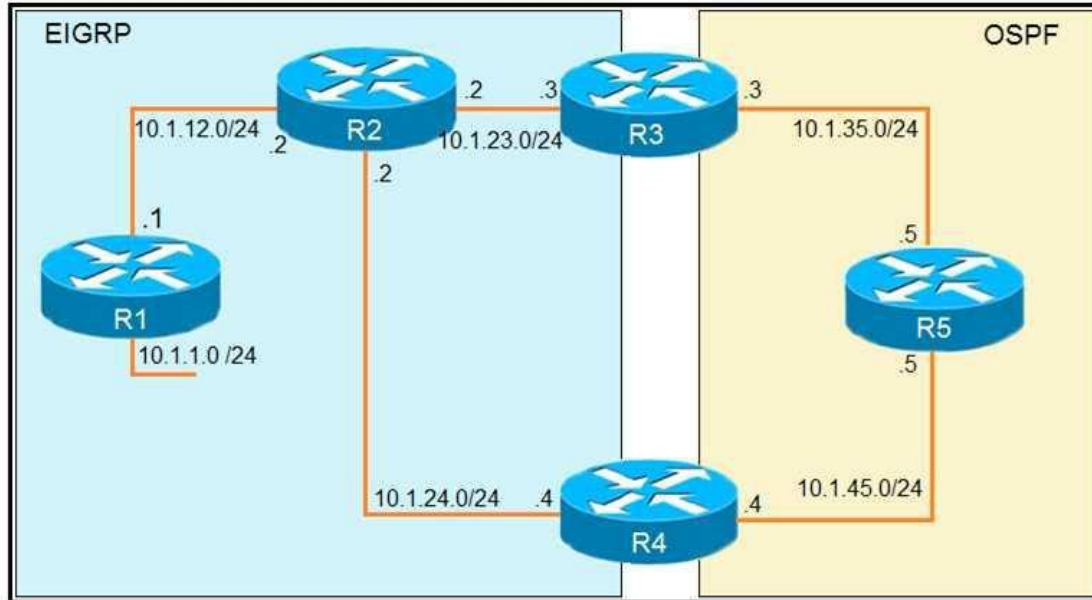
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**Question: 5**

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Refer to the exhibit.



```

R1
router eigrp 1
 redistribute connected
 network 10.1.12.1 0.0.0.0

R3
router ospf 1
 redistribute eigrp 1 subnets
 network 10.1.35.3 0.0.0.0 area 0

R4
router eigrp 1
 redistribute ospf 1 metric 2000000 1 255 1 1500
!
router ospf 1
 network 10.1.45.4 0.0.0.0 area 0

R5#traceroute 10.1.1.1

Type escape sequence to abort.
Tracing the route to 10.1.1.1

 1 10.1.35.3 80 msec 44 msec 20 msec
 2 10.1.23.2 44 msec 104 msec 64 msec
 3 10.1.24.4 44 msec 64 msec 40 msec
 4 10.1.45.5 24 msec 40 msec 20 msec
 5 10.1.35.3 92 msec 144 msec 148 msec
 6 10.1.23.2 108 msec 76 msec 80 msec
    <output truncated>
    
```

The output of the trace route from R5 shows a loop in the network. Which configuration prevents this loop?

A)

```
R3
router ospf 1
 redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG permit 10
 set tag 1
```

```
R4
router eigrp 1
 redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG deny 10
 match tag 1
!
route-map FILTER-TAG permit 20
```

B)

```
R3
router eigrp 1
 redistribute OSPF 1 route-map SET-TAG
!
route-map SET-TAG permit 10
 set tag 1
```

```
R4
router eigrp 1
 redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
 network 10.1.24.4 0.0.0.0
!
route-map FILTER-TAG deny 10
 match tag 1
!
route-map FILTER-TAG permit 20
```

C)

```
R3
router ospf 1
 redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG permit 10
 set tag 1
```

```
R4
router eigrp 1
 redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG permit 10
 match tag 1
```

D)

```
R3
router ospf 1
 redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG deny 10
 set tag 1
```

```
R4
router eigrp 1
 redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG deny 10
 match tag 1
```

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

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**Answer: A**

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