



# 642-902<sup>Q&As</sup>

Implementing cisco ip routing

## Pass Cisco 642-902 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.lead4pass.com/642-902.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco  
Official Exam Center

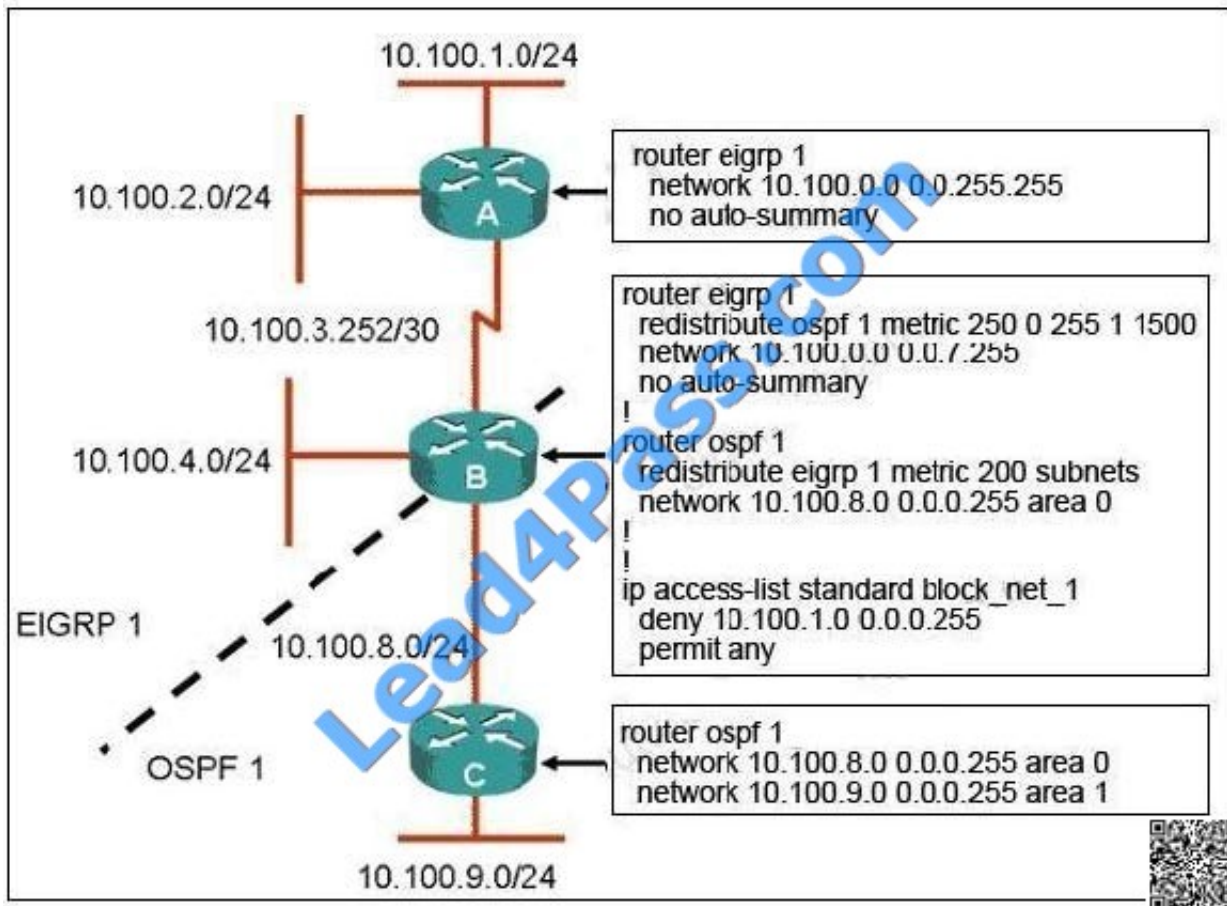
-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers





### QUESTION 1

Refer to the exhibit.



Router B is performing bidirectional redistribution between EIGRP and OSPF. The network 10.100.1.0/24 should not be reachable from the 10.100.9.0/24 network. However, it needs to be reachable from any network within the EIGRP domain. All other networks should be seen in both domains. Which change to router B would accomplish these goals?

- A. Under the EIGRP process, insert the distribute-list block\_net\_1 out ospf 1 command.
- B. Under the OSPF process, insert the distribute-list block\_net\_1 in serial1/0 command.
- C. Under the EIGRP process, insert the distribute-list block\_net\_1 in serial1/0 command.
- D. Under the OSPF process, insert the distribute-list block\_net\_1 out eigrp 1 command.

Correct Answer: D

The network 10.100.1.0/24 should not be reachable from network 10.100.9.0/24 -> we need to filter updates from EIGRP to OSPF so that the routing table of router C doesn't have network 10.100.1.0/24 -> we need to filter it under OSPF process and the direction should be out of router B ->.

### QUESTION 2



What happens when an IPv6 enabled router running 6to4 must send a packet to a remote destination and the next hop is the address of 2002::/16?

- A. The IPv6 packet has its header removed and replaced with an IPv4 header
- B. The IPv6 packet is encapsulated in an IPv4 packet using an IPv4 protocol type of 41
- C. The IPv6 packet is dropped because that destination is unable to route IPv6 packets
- D. The packet is tagged with an IPv6 header and the IPv6 prefix is included

Correct Answer: B

6to4 and Teredo are dynamic tunneling techniques used by desktop operating systems to help their users gain access to the IPv6 Internet. These techniques tunnel the IPv6 packets within IPv4 packets. The 6to4 method places the IPv6 packets within IPv4 protocol 41 packets. The Teredo method places the IPv6 packets within IPv4 packets with a UDP 3544 header. Reference: <http://www.networkworld.com/community/node/47345>

---

### QUESTION 3

An administrator types in the command `router ospf 1` and receives the error message:

"OSPF process 1 cannot start." (Output is omitted.) What should be done to correctly set up OSPF?

- A. Ensure that an interface has been configured with an IP address.
- B. Ensure that an interface has been configured with an IP address and is up.
- C. Ensure that IP classless is enabled.
- D. Ensure that the interfaces can ping their directly connected neighbors.

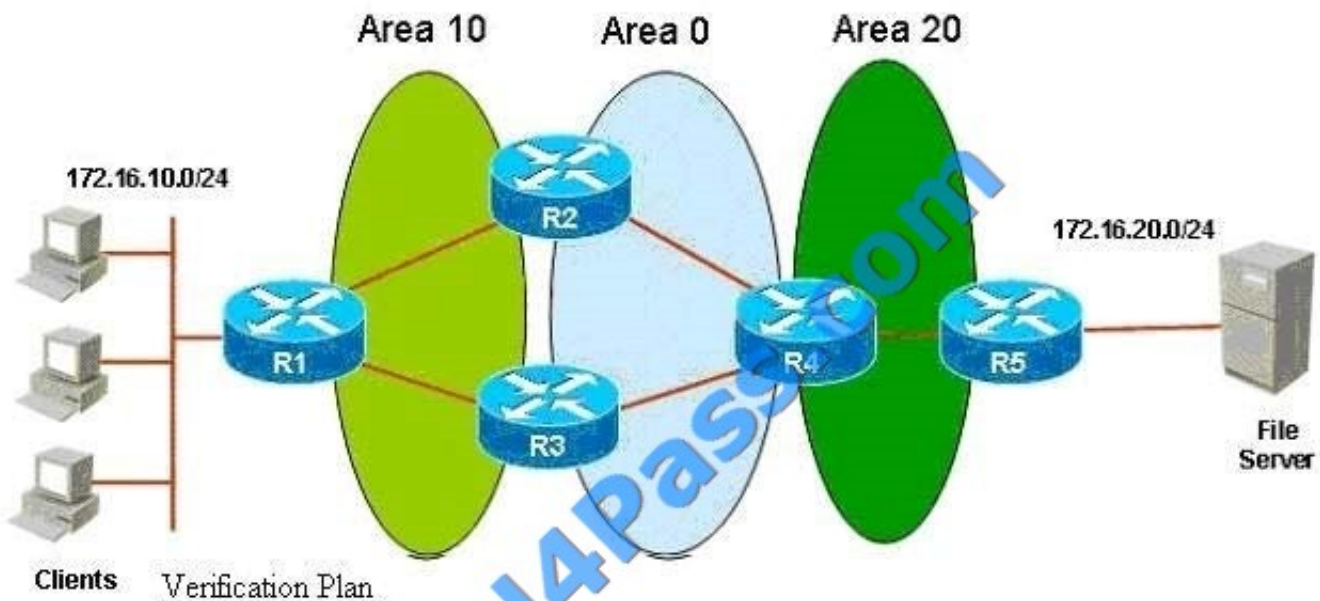
Correct Answer: B

A loopback interface can override the OSPF router ID. If a loopback interface exists, the router ID is the highest IP address on any active loopback interface. The OSPF router-id command can be used to override the OSPF router ID. Using a loopback interface or a router-id command is recommended for stability.

---

### QUESTION 4

Refer to the exhibit. ROUTE.com is planning to implement a secure OSPF network to support traffic between clients on the 172.16.10.0/24 network and the file server on the 172.16.20.0/24 network. You have been asked to review the implementation and verification plans for this OSPF project. Which statement about the plan is true?



Clients

Verification Plan

1. On R1 and R5, verify end-to-end connectivity between prefixes 172.16.10.0 and 172.16.20.0 using the extended ping command.
2. Verify that all routers have established a full neighbor relationship with the appropriate neighbors.
3. Verify the proper authentication method is active for each neighbor relationship.
4. Verify that each prefix is assigned to the appropriate OSPF area.
5. Verify the appropriate routes and summaries are in the routing table of each router.
6. Verify end-to-end connectivity between the clients and the file server.

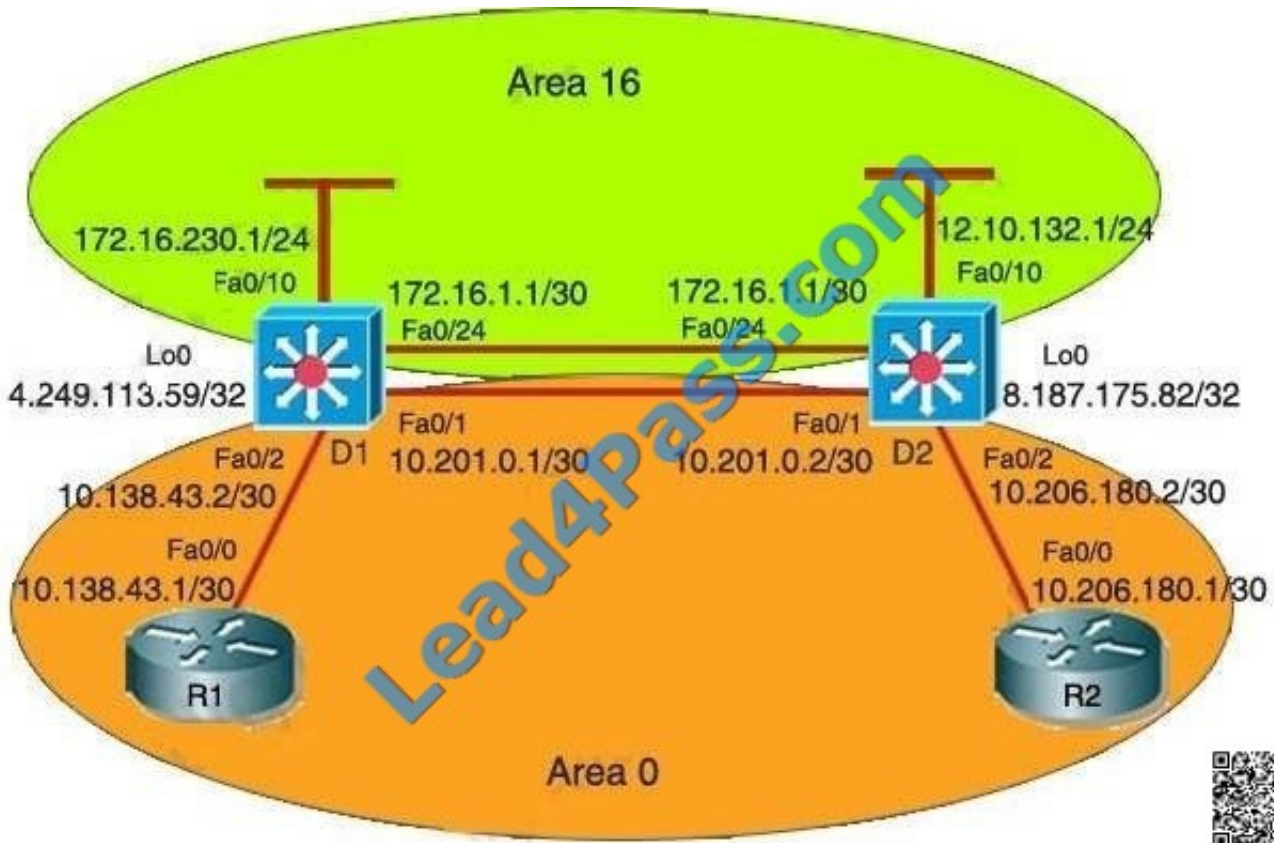


- A. It is complete as written.
- B. It should include a task that verifies that the interarea routes are using the proper MED.
- C. It should include a task that verifies that load sharing is active on R1 and R4.
- D. It should include a task that verifies that all redundant links will become active when the primary links are shut down.

Correct Answer: D

Reference: [http://www.cisco.com/en/US/docs/routers/access/as5350/software/feature/guide/pull\\_rlm.htm](http://www.cisco.com/en/US/docs/routers/access/as5350/software/feature/guide/pull_rlm.htm)

**QUESTION 5**



The company and the company network have both been growing rapidly. Multiple adds, moves and changes have been applied to the network. Your boss has asked you to troubleshoot a recent OSPF synchronization problem that has arisen. There have been synchronization problems at separate locations in the OSPF area 0. There have been reported link failures during the rapid growth of the company network. You are required to resolve the OSPF problem. OSPF must be able to converge when the network changes. Refer to the information above to answer the following question. Examine the following excerpt from the "show ip ospf" command on D1:

```
Area BACKBONE (0) Number of interfaces in the this area is 1 Area has no authentication SPF algorithm last executed 00:00:31.280 ago SPF algorithm executed 5 times Area ranges are Number of LSA 13. Checksum Sum 0x16F0FD Number of opaque link LSA 0. Checksum Sum Number of DCbitless LSA 0 Number of indication LSA 0 Number of DoNotAge LSA 0 Flood list length 0 Area 16 Number of interfaces in this area is 2 Area has message digest authentication SPF algorithm last executed 00:00:34.928 ago SPF algorithm executed 7 times Area ranges are Number of LSA 5. Checksum Sum 0x02FCD3 Number of opaque link LSA 0. Checksum Sum Number of DCbitless LSA 0 Number of indication LSA 0 Number of DoNotAge LSA 0 Flood list length 0
```

Based on the information shown above, what is most likely causing the different missing routes throughout the network?

- A. Area 16 is configured with authentication.
- B. Area 16 has been configured to use the same interfaces as Area 0.
- C. Area 0 and Area 32 have been configured with mismatched LSA numbers.
- D. Area 16 has been configured as a total stub network
- E. Area 16 has been configured as a stub network
- F. Area 0 is discontinuous.



G. None of the above

Correct Answer: F

From the topology, we see D1 has 2 interfaces belong to Area 0, that are interfaces Fa0/1 and Fa0/2 but the output says there is only one interface in Area 0 (Number of interfaces in the this area is 1). Therefore we can deduce that a link in area 0 was down and area 0 is dis contiguous.

[642-902 VCE Dumps](#)

[642-902 Exam Questions](#)

[642-902 Braindumps](#)



To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

## Try our product !

100% Guaranteed Success  
100% Money Back Guarantee  
365 Days Free Update  
Instant Download After Purchase  
24x7 Customer Support  
Average 99.9% Success Rate  
More than 800,000 Satisfied Customers Worldwide  
Multi-Platform capabilities - [Windows](#), [Mac](#), [Android](#), [iPhone](#), [iPod](#), [iPad](#), [Kindle](#)

We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications. You can view Vendor list of All Certification Exams offered:

<https://www.lead4pass.com/allproducts>

## Need Help

Please provide as much detail as possible so we can best assist you.  
To update a previously submitted ticket:



 <p><b>One Year Free Update</b> Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 <p><b>Money Back Guarantee</b> To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 <p><b>Security &amp; Privacy</b> We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information &amp; peace of mind.</p>
---	---	--

Any charges made through this site will appear as Global Simulators Limited.  
All trademarks are the property of their respective owners.  
Copyright © lead4pass, All Rights Reserved.