



# 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 and router C are performing mutual redistribution between OSPF and EIGRP, and their default metrics are configured the same. Router D has equal cost paths to networks where both paths are not really equal cost. For example, network 172.16.54.0 shows equal cost through both router B and router C, though in reality the cost is greater using router C. Other routers, though not shown, are connected to the 172.16.54.0 and 172.16.55.0 networks, and the same issues exist to those routers and the networks connected to them. What can be done so that data will be routed along the most optimal path in the network?

- A. Redistribute connected interfaces on router B and router C.
- B. Set the maximum number of equal cost paths to 1 in all routers.
- C. When redistributing EIGRP into OSPF, set the external metric type to type E1.
- D. Adjust the default metrics in router B and router C so that the values are different in each router.
- E. None of these solutions will fix the problem. Migrate to a single dynamic routing protocol.

Correct Answer: E

From the output, we learn that all the External OSPF routes have metrics of 100 (the second parameters in [110/100]). This is not the default metric of OSPF Type 2 External route (the default value is 20) so the metrics of redistributed routes

have been modified. Maybe when redistributing into OSPF, the "metric" in the "redistribute" command or the "default-metric" command was used on router B and C to assign the metric of these routes. Something like this:

```
router ospf 1
```

```
redistribute eigrp 1 metric 100 subnets
```

or

```
router ospf 1
```

```
.....
```

```
default-metric 100
```

Therefore even if we use the metric type E1 the problem still exists because the link B-D and C-D seems to have the same metric -> the total metrics remains the same .

We can use route-map and set different metrics for each networks but some unshown networks will have the same issues

---

### QUESTION 2

Refer to the exhibit.

A new TAC engineer came to you for advice. A GRE over IPsec tunnel was configured, but the tunnel is not coming up.

What did the TAC engineer configure incorrectly?



- A. The crypto isakmp configuration is not correct.
- B. The crypto map configuration is not correct.
- C. The interface tunnel configuration is not correct.
- D. The network configuration is not correct; network 172.16.1.0 is missing.

Correct Answer: A

---

### QUESTION 3

You have been tasked with setting up OSPF on an existing company router using IPv6. Which command enables OSPF for IPv6 on a router?

- A. ipv6 router ospf process-id
- B. router ospf process-id
- C. router ospf ipv6 process-id
- D. ipv6 ospf process-id area-id
- E. None of the above

Correct Answer: A

To enable Open Shortest Path First (OSPF) for IPv6 router configuration mode, use the `ipv6 router ospf` command in global configuration mode.

```
ipv6 router ospf process-id
```

Syntax Description

process- Internal identification. It is locally assigned and can be a positive id integer from 1 to 65535. The number used here is the number assigned administratively when enabling the OSPF for IPv6 routing process.

Reference:

[http://www.cisco.com/en/US/products/ps6922/products\\_command\\_reference\\_chapter09186a00801d6615.html#wp2027608](http://www.cisco.com/en/US/products/ps6922/products_command_reference_chapter09186a00801d6615.html#wp2027608)

---

### QUESTION 4

A router is configured for redistribution to advertise EIGRP routes into OSPF on a boundary router. Given the configuration: `router ospf 1 redistribute eigrp 1 metric 25 subnets`

What is the function of the 25 parameter in the redistribute command?

- A. It specifies the seed cost to be applied to the redistributed routes.
- B. It specifies the administrative distance on the redistributed routes.



C. It specifies the metric limit of 25 subnets in each OSPF route advertisement.

D. It specifies a new process-id to inject the EIGRP routes into OSPF.

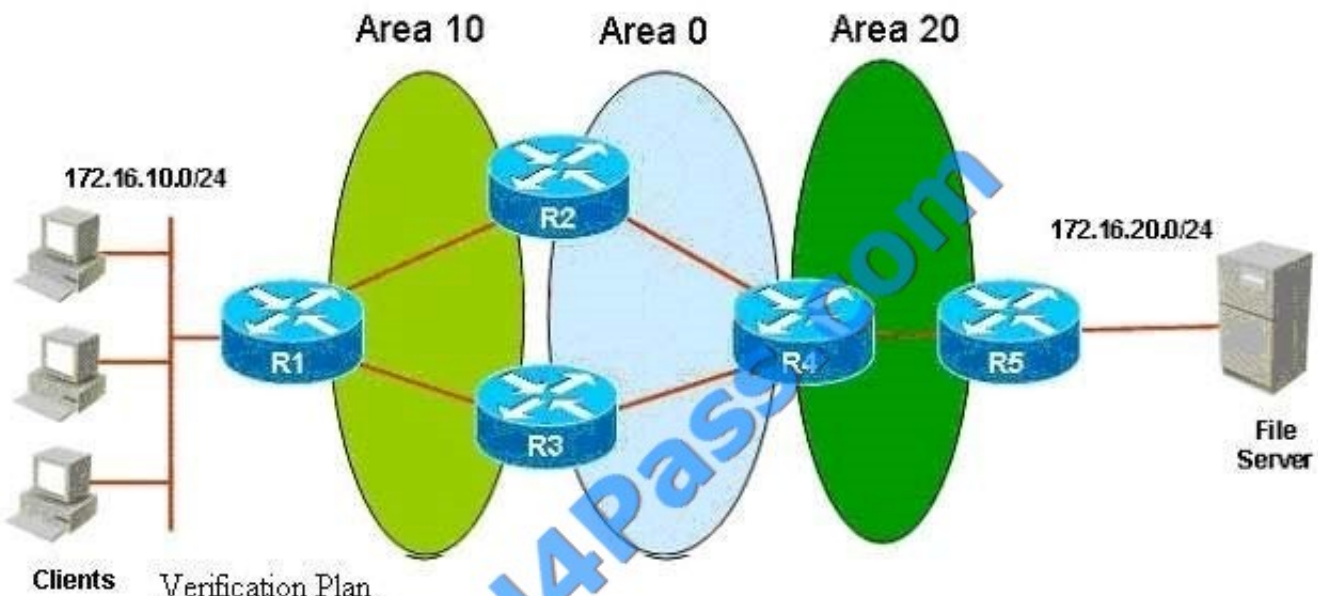
Correct Answer: A

Reference:

<http://www.hh.se/download/18.1a63903b12e0cb97563800024/1297326173185/Manipulating+Routing+Updates.pdf>  
(slide 25, configuring redistribution)

### QUESTION 5

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?



#### 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) |

[642-902 PDF Dumps](#)

[642-902 VCE Dumps](#)

[642-902 Exam Questions](#)



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.