



## Certificate of Course Completion

# CCNA Exploration: Routing Protocols and Concepts

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During the Cisco® Networking Academy course, administered by the undersigned instructor, the student was able to proficiently:

- Describe the purpose, nature and operations of a router and routing tables
- Describe, configure and verify router interfaces
- Explain the purpose and procedure for configuring static routes
- Identify the characteristics of distance vector routing protocols
- Describe the network discovery process of distance vector routing protocols using Routing Information Protocol (RIP)
- Describe the functions, characteristics, and operations of the RIP protocols
- Compare and contrast classful and classless IP addressing
- Describe classful and classless routing behaviors in routed networks
- Design and implement a classless IP addressing scheme for a given network
- Demonstrate comprehensive RIP configuration skills
- Describe the main features and operations of the Enhanced Interior Gateway Routing Protocol (EIGRP)
- Describe the basic features and concepts of link-state routing protocols
- Describe the purpose, nature and operations of the Open Shortest Path First (OSPF) protocol

Medhat Rashad Hashem

Student

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ITAcademy

Academy Name

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Gizah

Location

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farouk elsayed, tarek

Instructor

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October 7, 2010

Date

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Instructor Signature

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October 7, 2010

Dear Medhat Rashad Hashem

Congratulations on completing the **CCNA Exploration: Routing Protocols and Concepts** course as part of the Cisco Networking Academy. This hands-on, lab-oriented course has prepared you for exciting career opportunities in the technology industry.

By completing this course you have earned a Certificate of Completion for CCNA Exploration: Routing Protocols and Concepts, and acquired competencies that include the following:

- Configuring and verifying router interfaces
- Identifying the characteristics of distance vector routing protocols
- Demonstrating comprehensive RIP configuration skills
- Designing and implementing a classless IP addressing scheme for a given network
- Using advanced configuration commands with routers implementing EIGRP
- Describe the basic features and concepts of link-state routing protocols
- Describe and configure basic OSPF

Technological literacy is more important today than ever before, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain computer networks.

Please accept my best wishes for your continued success.

Sincerely,

A handwritten signature in black ink that reads "John Chambers".

John T. Chambers  
Chairman and Chief Executive Officer