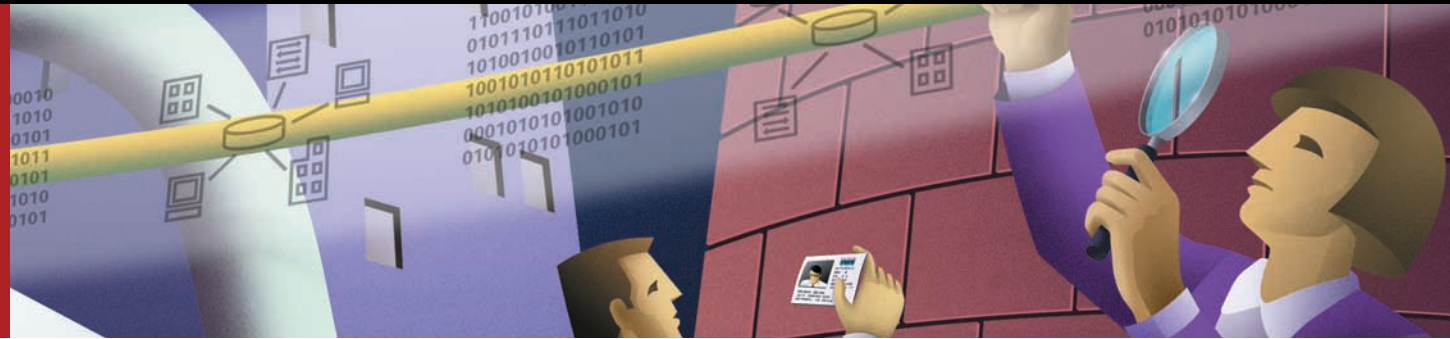


Certificate of Course Completion

CCNA 2 Routers and Routing Basics



Dirk Fretz

Date : June 22, 2003
Instructor : Gulledge, Roger
Location : Phoenix
Academy Name : DeVry University,
Phoenix (ACC)

During the Routers and Routing Basics course, administered by the undersigned instructor, the student demonstrated the following competencies:

- Proficient in Internetwork Operating System command set, configuration files, IOS images.
- Proficient using IOS commands to interrogate the router and the network.
- Proficient in manipulating the router start-up sequence.
- Proficient in manipulating router configuration files.
- Proficient in manipulating IOS image files.
- Proficient in completing a basic configuration on one router.
- Be able to identify multiple routing protocols and describe their data flow.
- Be able to identify multiple routed protocols and describe their data flow.
- Proficiently configure routing and routed protocols.
- Be able to troubleshoot routing and routed protocol problems.
- Be able to identify and describe the function of router components.
- Be able to configure and apply subnetting techniques to a multiple router topology.
- Proficiently configure a multiple router topology.
- Be able to troubleshoot problems in a multiple router topology.

Instructor's Signature



June 22, 2003

Dear Dirk Fretz

Congratulations! You have successfully completed CCNA 2 Routers and Routing Basics of the Cisco Networking Academy Program.

During the course, you have developed a solid foundation in the basics of networking, demonstrating knowledge of important concepts and skills, including the OSI model, Ethernet networks running TCP/IP, IP addressing, and structured cabling skills.

Information technology skills are in high demand given the explosive growth of the Internet as a practical business tool. Technological literacy is more important today than ever before, and Cisco is proud to provide you with the knowledge and skills to design, build, and maintain computer networks.

Wishing you continued success in CCNA 3!

Sincerely,

A handwritten signature in black ink that reads "John Chambers". The signature is written in a cursive, flowing style.

John Chambers
President and CEO
Cisco Systems, Inc.