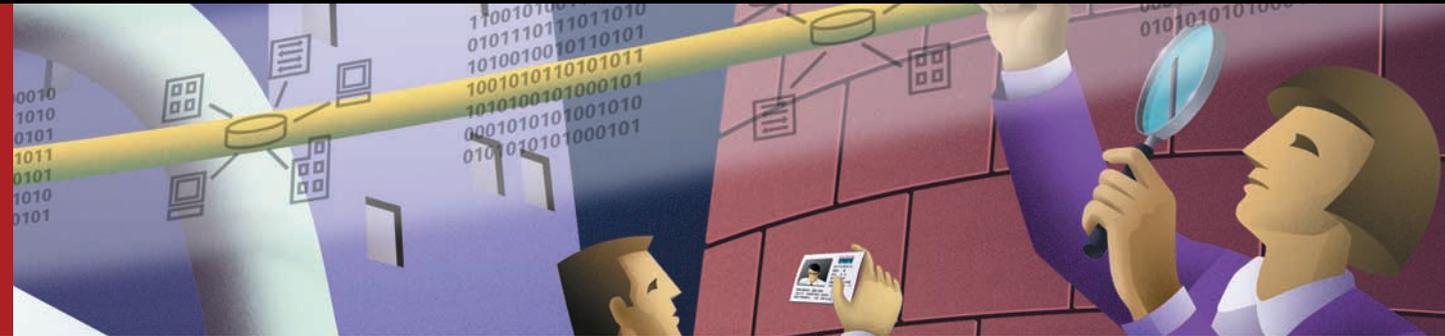


Certificate of Course Completion

CCNA 3 Switching Basics and Intermediate Routing



Alan Kundel

Date : March 30, 2004
Instructor : Torpey, Robin
Location : Alfred
Academy Name : Alfred State College

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

- Proficient in performing basic switch configuration using menus.
- Be able to describe basic switching principles (Spanning Tree, Trunking, VTP).
- Be able to design, configure, and apply useful VLANs.
- Be able to troubleshoot VLANs.
- Be able to identify, describe, and configure IGRP on the 5-router topology.
- Be able to troubleshoot IGRP.
- Proficient in filtering packets using standard and extended access lists.
- Proficient use of wild card masks.
- Be able to troubleshoot standard and extended access lists.
- Be able to identify and describe IPX.
- Be able to configure IPX.
- Be able to document a LAN design as displayed by a Threaded Case Study.

Instructor's Signature



March 30, 2004

Dear Alan Kundel

Congratulations! You have successfully completed CCNA 3 Switching Basics and Intermediate Routing 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 4!

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.