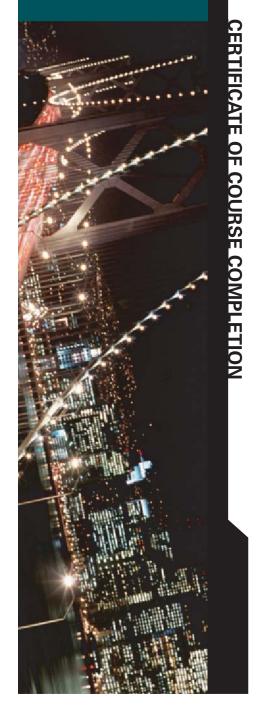


CCNA 4 WAN TECHNOLOGIES



Eudy Zerpa

Date : March 8, 2006

Instructor: Molner Ascanio Luis Alberto

Location: Caracas

Academy Name: Fundacion Humboldt

proficiently: During the CCNA 4 Course administered by the undersigned instructor, the student was able to

- administration on a network Translation, and explain its configuration, use, and Describe the concepts and characteristics of Network Address
- use, and administration on a network Configuration Protocol (DHCP), and explain its configuration, Describe the concepts and characteristics of the Dynamic Host
- technology • Describe, compare, and contrast the essential features of WAN
- Classify WAN link options and explain the differences between circuit switched and packet switched technologies
- Make recommendations about the provision of WAN services based on needs
- approach to the design Design a simple WAN system using a hierarchical tiered

Instructor's Signature

- serial point—point links • Describe the operation, configuration, and functionality of
- Configure and administer serial point—point links
- Point to Point Protocol (PPP) • Describe the concepts, characteristics, and functionality of the

- Configure and administer PPP on a serial link
- Describe the concepts, characteristics, and functionality of
- Configure and administer a router ISDN interface
- on Demand Routing (DDR) • Describe the concepts, characteristics, and functionality of Dial
- Configure and administer DDR in a network
- Describe the concepts, characteristics, and functionality of Frame Relay
- Configure and administer permanent virtual circuit (PVC) Frame Relay WAN operations
- operating systems and the associated hardware • Describe, compare and contrast workstation and server
- Describe the concepts of network management, and explain how network management tools are utilized on a modern
- Describe the concepts and technologies associated with optical data transmission



March 8, 2006

Dear Eudy Zerpa

Congratulations! You have successfully completed CCNA 4 WAN Technologies 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!

John Chambers

Sincerely,

John Chambers President and CEO

Cisco Systems, Inc.