BH Security Plus

CCNA

CISCO

CERTIFIED NETWORK ASSOCIATE

INTRODUCTION

Welcome to the Cisco Certified Network Associate (CCNA) training program, your gateway to the dynamic world of networking. In today's digital age, where robust and secure networks are crucial, there is an increasing demand for skilled professionals who can design, manage, and optimize network infrastructure. The CCNA certification equips you with the knowledge and skills needed to install, configure, and troubleshoot networks, ensuring efficient and secure communication across systems and devices.

WHY CHOOSE CCNA?

The CCNA certification is globally recognized as the benchmark for networking proficiency. By enrolling in this training program, you will:

- Gain a comprehensive understanding of networking principles and methodologies.
- Learn from experienced and certified instructors who are experts in the field of networking.
- Develop hands-on skills through practical exercises and real-world simulations.
- Access a wealth of resources, including course materials, practice exams, and study guides.
- Prepare to challenge the CCNA certification exam and validate your expertise in networking.

WHO SHOULD ATTEND?

The CCNA training program is ideal for:

- IT professionals seeking to enhance their networking skills and advance their careers.
- Network administrators responsible for managing and optimizing network infrastructure.
- Network engineers and technicians looking to formalize their knowledge and obtain industry-recognized certification.
- Anyone interested in pursuing a career in networking and ensuring efficient and secure communication across systems and devices.

COURSE OVERVIEW

Our CCNA training program consists of 6 modules, covering a wide range of topics, including:

- Introduction To Networking
- Network Access
- IP Connectivity
- IP Services
- Security Fundamentals
- Troubleshooting & Automation

Each module is designed to provide you with the knowledge and skills necessary to excel in the field of ethical hacking.

COURSE PREREQUISITES

Before taking this course, you should have:
- Basic computer literacy
- Basic PC operating system navigation skills
- Basic Internet usage skills
- Basic IP address knowledge

JOIN US TODAY

Are you ready to take your networking skills to the next level? Join us on this exciting journey and become a Cisco Certified Network Associate (CCNA). Enroll now and unlock a world of opportunities in the rapidly growing field of networking.

MODULE 01 : INTRODUCTION TO NETWORKING

- . Introduction of Networking.
- . Types of Topologies.
- . Routers and Switch's
- . TCP/IP Model
- . OSI Model
- . Compare TCP or UDP
- . Describe switching concepts
- . Describe wireless principles.

MODULE 02: NETWORK ACCESS

- . Cisco Packet Tracer Installation
- . Switch Configuration
- . Configure and verify VLANs (normal range) spanning multiple
- . Switch.
- . Connectivity
- . Switch operation (ping, telnet and ssh)
- . Configure and verify VLANs / Trunking

MODULE 03: I P CONNECTIVITY

- . Configure and verify IPv4 addressing and subnetting
- . Configure and verify IPv6 addressing and prefix
- . Describe basic routing concepts
- . Configure and verify Static & Default routing
- . Configure and verify OSPF (single area)
- . Configure and verify EIGRP

MODULE 04: I P SERVICES

- . Configure and verify DHCP (IOS Router)
- . ACL (Types, Features & Applications of ACLs)
- . Configure and verify ACL
- . Identify the basic operation of NAT
- . Configure and verify NAT
- . Configure and verify NTP as a client
- . Recognize High availability (FHRP, VRRP, HSRP & GLBP)
- . Configure network devices for remote access using SSH

MODULE 05: SECURITY FUNDAMENTALS

- . Define key security concepts (threats, vulnerabilities, exploits, and mitigation Techniques)
- . Configure and verify device access control using local passwords.
- . Configure and verify access control lists
- . Configure and verify Switch Port Security
- . Differentiate authentication, authorization, and accounting concepts
- . Sticky MAC / MAC address limitation

MODULE 06: TROUBLESHOOTING & AUTOMATION

- . Utilize net-flow data
- . Troubleshoot and Resolve VLAN problems
- . Troubleshoot and Resolve trunking problems
- . Troubleshoot and Resolve STP
- . Troubleshoot and Resolve EIGRP problems
- . Troubleshoot and Resolve ACL issues
- . Explain how automation impacts network management
- . Compare traditional networks with controller-based networking
- . Troubleshoot and Resolve WAN implementation issues
- . Troubleshoot ether channel problems and more...

CONTACT US

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