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Course Name

Cisco Certified Network Associate (CCNA)

Sector Name
Information Technology

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Cisco Certified Network Associate (CCNA)

Course Introduction

The Cisco Certified Network Associate (CCNA) certification is a globally recognized credential that validates an individual's ability to install, configure, operate, and troubleshoot medium-sized routed and switched networks.

This course provides foundational knowledge in networking, covering essential topics such as network fundamentals, IP connectivity, security fundamentals, and automation. It is designed to equip participants with the skills necessary to manage and optimize network systems effectively.

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Target Audience

- ✓ Network administrators and support technicians aiming for certification.
- ✓ IT professionals are transitioning into networking roles.
- ✓ Individuals preparing for the Cisco CCNA certification exam.

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Learning Objectives

- ✓ Understand the components and functions of various network systems.
- ✓ Configure and troubleshoot routers and switches to ensure efficient network performance.
- ✓ Implement IP addressing schemes and routing protocols to establish connectivity.
- ✓ Apply security measures to protect the network infrastructure.
- ✓ Utilize automation tools to streamline network management tasks.

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Course Outline

✓ DAY 01

Network Fundamentals

- ✓ Introduction to networking concepts and architectures.
- ✓ Understanding network topologies and types.
- ✓ Exploring the OSI and TCP/IP models

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Course Outline

✓ **Day 02**

Network Access

- ✓ Configuring and managing switches and VLANs.
- ✓ Implementing spanning tree protocols.
- ✓ Understanding wireless networking concepts.

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Course Outline

✓ Day 03

IP Connectivity

- ✓ Configuring IPv4 and IPv6 addressing.
- ✓ Implementing static and dynamic routing protocols.
- ✓ Troubleshooting routing issues.

IP Services

- ✓ Configuring DHCP, NAT, and NTP services.
- ✓ Understanding QoS concepts.
- ✓ Implementing network monitoring tools.

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Course Outline

✓ Day 04

Security Fundamentals

- ✓ Understanding security threats and vulnerabilities.
- ✓ Implementing access control lists (ACLs).
- ✓ Securing network devices and data.

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Course Outline

✓ Day 05

Automation and Programmability

- ✓ Introduction to network automation concepts.
- ✓ Understanding APIs and configuration management tools.
- ✓ Exploring software-defined networking (SDN).

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Sept. 20, 2027	Sept. 24, 2027	5 days	4250.00 $	UAE , Abu Dhabi
June 21, 2027	June 25, 2027	5 days	4250.00 $	UAE , Dubai
Feb. 1, 2027	Feb. 5, 2027	5 days	4950.00 $	Netherlands , Amsterdam
Dec. 21, 2026	Dec. 25, 2026	5 days	4250.00 $	UAE , Abu Dhabi

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