



*Training Course:
CCNA Cisco Certified Network Associate*

*11 - 15 October 2026
Cairo (Egypt)
Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

Training Course: CCNA Cisco Certified Network Associate

Training Course code: IT234831 From: 11 - 15 October 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4100 € Euro

Introduction

CCNA certification proves you have what it takes to navigate the ever-changing landscape of IT. CCNA exam covers networking fundamentals, IP services, security fundamentals, automation, and programmability. Designed for agility and versatility, CCNA validates that you have the skills required to manage and optimize today's most advanced networks.

The CCNA training course and exam give you the foundation to take your career in any direction. When you certify with Cisco, you are living proof of the standard and rigor that businesses recognize and trust to meet and exceed market demands.

Objectives

After taking this course, you should be able to:

- Identify the components of a computer network and explain their basic characteristics
- Describe the features and functions of the Cisco IOS Software
- Explain IPv4 and IPv6 addressing scheme
- Implement basic configurations on a Cisco router
- Identify and resolve common switching and routing networking issues
- Describe network and device architectures and explain virtualization
- Describe the smart network management solutions like Cisco DNA Center, SD-Access and SD-WAN
- Outline threat defense technologies
- And many, many more aspects of a basic IPv4 and IPv6 network

Target Audience

- Entry-level network engineer
- Network administrator
- Network support technician
- Help desk technician

Outlines

Day 1: Networking Fundamentals & History

- A Brief History of Moving Information
- Introduction to Networking
- What Is Networking?
- Dissecting Communication
- Local and Global Addressing Introduction
- Protocols and Communication Models
- Summary

Day 2: Network Communication Models

- Network Communication Models Introduction
- Categorizing Data Transmissions
- The OSI Model
- OSI Model vs TCP/IP Model
- Summary

Day 3: Encapsulation & OSI Deep Dive

- Encapsulation Introduction
- Examining the OSI Model
- How Encapsulation Works
- Data Networks and Addressing Overview

Day 4: IP Addressing & Practical Labs

- Addressing the Network
- How Local Communication Works
- How Global Addressing Works
- IP Networks Introduction
- Demo: Examining IP Address of a Workstation
- Demo: Ping
- Demo: ipconfig /all and External Ping
- Demo: Changing IP Address

Day 5: Cisco Certifications & CCNA Preparation

- Cisco Certifications Introduction
- Cisco Certification Levels
- Exams Required
- Studying for CCNA
- Lab Equipment Overview
- Final Summary and Guidance

Registration form on the Training Course: CCNA Cisco Certified Network Associate

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