



Training Course:
CCNA Cisco Certified Network Associate

19 - 23 July 2027
Barcelona (Spain)

Training Course: CCNA Cisco Certified Network Associate

Training Course code: IT234831 From: 19 - 23 July 2027 Venue: Barcelona (Spain) - Training Course Fees: 6300 € 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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