



MFE-IT

Reference: SM/EN/CCNA

CCNA Cisco 200-301 Certification Training Course

Foundation Networking Certification with Exam Included

Duration: 9 Days | Hours: 63 h

Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice

DESCRIPTION

The CCNA Cisco 200-301 certification is the foundation networking credential recognised across the IT industry — validating practical skills in switching, routing, IP services, security and automation. It opens the door to network engineering, cloud infrastructure and security careers, and remains highly valued in 2026 even in cloud-first organisations.

The CCNA Cisco 200-301 certification training offered by MFE-IT prepares students for the fundamentals of computer networks. It covers the configuration, management and security of Cisco equipment, as well as IP, IPv6, VLAN and OSPF protocols. Accessible to beginners with basic IT skills, it combines theory, practice and the official exam — included in the package — so candidates leave certified, not just trained.

LEARNING OBJECTIVES

By the end of this training course, participants will be able to:

- Understand the fundamentals of networking: OSI model, TCP/IP, addressing
- Configure and troubleshoot Cisco switches and routers
- Master routing protocols (OSPF, EIGRP, RIP) and Layer 2 (VLANs, STP)
- Secure network infrastructure and manage access
- Implement IP services: DHCP, NAT, DNS, ACLs
- Effectively prepare for the CCNA 200-301 exam through practical exercises

PREREQUISITES

- Good foundation in general computing
- No prior certification required
- Basic networking knowledge recommended

Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.

TARGET AUDIENCE

IT technicians, novice administrators, network students and IT career changers preparing for the Cisco CCNA 200-301 certification.

DETAILED PROGRAMME

The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

Module 1 – Network Architecture and OSI/TCP-IP Models

- Network types and topologies
- OSI and TCP/IP layer definitions
- Fundamental network protocols

Module 2 – Switching and VLAN Configuration

- VLANs, trunking and VTP
- Spanning Tree Protocol (STP) and rapid variants
- Basic configuration of Cisco switches

Module 3 – IP Routing and Network Interconnection

- Static and dynamic routing
- OSPF, RIP and EIGRP protocols
- Router configuration and troubleshooting

Module 4 – IP Services and Access Management

- NAT, DHCP and DNS configuration
- Access Control Lists (ACLs)
- Port security and administrative session management

Module 5 – Security, Virtualisation and Automation

- Network security concepts and threat mitigation
- Wireless networks and VPN basics
- SDN, CLI vs automation and programmability

Module 6 – CCNA Exam Preparation

- Targeted revision of all exam domains
- Sample questions and timed practice tests
- Strategy for success and exam day workflow

TEACHING METHODS

Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: contact@mfe-it.com.

PRACTICAL INFORMATION

Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

Benefits for Participants

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

Benefits for the Organisation

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts