

Cisco 010-151 Certification Prep 2026

Cisco 010-151 2026. Structured exam prep with study guides, case studies, and test strategies.

[IT Certifications](#) Instructor: Brian Mitchell • 5 sections • 50 lessons • 16.00h total

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About this course

Many IT professionals struggle to find focused, up-to-date material for the Cisco 010-151 exam. This course cuts through the noise and gives you a structured path to prepare, covering the key topics for the 2026 edition.

You will learn how to approach the exam through step-by-step breakdowns, downloadable study guides, and real case study analysis. We will show you how to apply your knowledge to practical troubleshooting scenarios and test-taking strategies.

Course curriculum

Foundations and Preparation

- **How the 010-151 Exam Is Structured for 2026 (12m)**
Understand the exam format, question types, and scoring so you know exactly what to expect on test day.
- **Building Your 2026 Study Plan (18m)**
Create a realistic study schedule with downloadable templates to track your progress effectively.
- **Key Cisco Terminology You Must Know (14m)**
Learn the essential Cisco terms and acronyms that appear frequently on the 010-151 exam.
- **Setting Up Your Practice Lab Environment (22m)**
Step-by-step guide to configuring a virtual lab for hands-on practice without expensive hardware.
- **Common Exam Pitfalls to Avoid (11m)**
Real student case studies showing mistakes that cost points and how to sidestep them.
- **Understanding Question Patterns (16m)**
Break down multiple-choice, drag-and-drop, and scenario-based questions with practice examples.
- **Time Management Strategies (9m)**
Techniques to pace yourself and avoid spending too long on any single question.
- **Downloadable 010-151 Study Checklist (7m)**
Get a complete checklist of topics to review and self-assess before your exam date.

Core Technical Concepts

- **Cisco Device Architecture Explained (21m)**
Walk through the hardware components and architecture you'll need to identify and understand.
- **Understanding Cisco IOS and NX-OS (25m)**
Compare operating systems and learn key commands that are frequently tested.
- **Network Layer Fundamentals (19m)**
Real case study analysis of IP addressing, subnetting, and routing basics for the exam.
- **Switching Concepts in Practice (23m)**
Learn VLANs, trunking, and STP through practical configuration examples.
- **Security Fundamentals for 010-151 (17m)**
Focus on access control, port security, and basic firewall concepts tested in 2026.
- **Wireless Networking Basics (15m)**
Understand WLAN concepts, standards, and common configuration scenarios.
- **Troubleshooting Methodology (28m)**
Systematic approach to diagnosing network issues with step-by-step problem-solving sessions.
- **CLI Commands You Must Memorize (20m)**
Focused drill-down on the most critical command-line interface commands for the exam.
- **Understanding Network Topologies (13m)**
Identify and work with star, mesh, bus, and ring topologies in exam scenarios.

Deep Dive into Exam Topics

- **Advanced IP Subnetting Scenarios (31m)**
Practice complex subnetting problems that mirror actual 010-151 exam questions.
- **Spanning Tree Protocol Deep Dive (26m)**
Master STP concepts, port states, and convergence with real troubleshooting examples.
- **Cisco Router Configuration Steps (29m)**
Complete walkthrough of basic router setup and configuration tasks you'll need to know.
- **Switch Security Features (24m)**
Protect your network with port security, DHCP snooping, and other key features.
- **Understanding ACLs in Practice (27m)**
Configure and troubleshoot standard and extended access control lists with examples.
- **NAT and PAT Configuration (22m)**
Learn network and port address translation through hands-on lab scenarios.
- **IPv6 Fundamentals for the Exam (18m)**
Get comfortable with IPv6 addressing, addressing types, and basic configuration.
- **Problem-Solving Session: Network Outages (32m)**
Work through realistic outage scenarios using systematic troubleshooting methods.

Advanced Application and Practice

- **Full Configuration Lab: Small Office Network (35m)**
Build a complete small office network from scratch using skills from previous sections.
- **Troubleshooting Complex Network Issues (33m)**
Multi-layer problems that require knowledge of routing, switching, and security.
- **Exam Simulation: 50 Practice Questions (38m)**
Timed practice session with detailed explanations for each answer.
- **Interpreting Network Diagrams (16m)**
How to quickly read and understand network topology diagrams under exam pressure.
- **Wireless Security Configuration (20m)**
Implement WPA2, WPA3, and radius authentication for secure wireless networks.
- **Backup and Recovery Procedures (14m)**
Learn to backup device configurations and recover from common failures.
- **Performance Monitoring Basics (19m)**
Use show commands and basic monitoring tools to check network health.
- **Advanced CLI Troubleshooting (29m)**
Deep dive into debug commands and log analysis for complex issues.
- **Real-World Case Study: Retail Network (27m)**
Analyze and solve issues in a typical retail environment setup.
- **Final Exam Strategy Review (12m)**
Consolidate your knowledge with a comprehensive strategy checklist.
- **Downloadable Practice Exam PDF (8m)**
Get a full-length practice exam to test your readiness before the real test.

- **Time Management During the Exam (15m)**
Advanced pacing techniques for the full exam duration with buffer time.

Implementation and Next Steps

- **Creating Your Final Study Schedule (17m)**
Build a personalized countdown plan to your exam date with daily targets.
- **Weak Area Identification and Remediation (21m)**
Use diagnostic tools to find and fix knowledge gaps before exam day.
- **Last-Minute Review Techniques (13m)**
Effective methods to review without cramming in the final week.
- **Exam Day Checklist (9m)**
Everything you need to bring, know, and do on the day of your test.
- **Managing Test Anxiety (16m)**
Practical techniques to stay calm and focused during the exam.
- **What to Do After You Pass (11m)**
Next steps in your Cisco certification journey and career development.
- **If You Don't Pass: Retake Strategy (14m)**
Analyze your score report and create a targeted plan for your retake.
- **Building on 010-151 Knowledge (18m)**
How your 010-151 skills apply to CCNA and more advanced certifications.
- **Real-World Application: First 30 Days (23m)**
Apply your new skills on the job with a structured 30-day implementation plan.
- **Community and Support Resources (10m)**
Where to find study groups, forums, and ongoing support after the course.
- **Career Paths with Cisco Certification (19m)**
Explore job roles, salary expectations, and how to position your certification.
- **Continuing Education Credits (8m)**
Understanding CE credits and how to maintain your certification status.
- **Course Wrap-Up and Action Plan (12m)**
Final review of your progress and clear next steps to continue your success.

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