

Cisco 300-730 Exam Preparation 2026

Cisco 300-730 2026. VPNs, security configurations, and hands-on troubleshooting for the exam.

Instructor: Nick Williams • 5 sections • 47 lessons • 18.50h total

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About this course

This course is for network engineers and security professionals who need to pass the Cisco 300-730 exam. We will break down the exam objectives into manageable sections, focusing on practical skills you will use on the job. You will get clear explanations of complex topics, hands-on configuration examples, and strategies for tackling the exam questions.

We cover everything from VPN fundamentals to advanced security configurations, using video lessons, downloadable study guides, and practice scenarios. You will learn how to apply Cisco security concepts in real environments, with walkthroughs and troubleshooting tips.

Course curriculum

Exam Fundamentals and Preparation Strategy

- **Understanding the 300-730 Exam Structure (12m)**
Learn the exam format, question types, and scoring system to build your study strategy effectively.
- **Creating Your Personalized Study Plan (18m)**
Step-by-step guide to organizing your study time based on your current knowledge and available resources.
- **Essential Resources for 2026 Exam Prep (15m)**
Review the most current study materials, official guides, and practice resources for the updated exam objectives.
- **Setting Up Your Lab Environment (25m)**
How to configure a virtual lab using Cisco tools and emulators to practice configurations safely.
- **Time Management During the Exam (8m)**
Practical techniques for pacing yourself through the exam questions and avoiding common time traps.
- **Common Pitfalls and How to Avoid Them (14m)**
Real-world examples of mistakes candidates make and strategies to prevent them in your preparation.
- **Setting Realistic Goals and Milestones (10m)**
How to break down the exam objectives into achievable weekly targets and track your progress.

Core Security Technologies

- **VPN Fundamentals and Architecture (22m)**
Deep dive into VPN concepts, protocols, and design patterns you'll encounter on the exam and in practice.
- **IPsec VPN Configuration Step-by-Step (32m)**
Hands-on walkthrough of configuring IPsec VPNs with downloadable configuration templates.
- **SSL VPN Deployment Strategies (28m)**
Learn different SSL VPN approaches and when to use each method in enterprise environments.
- **Firewall Fundamentals and Policy Management (20m)**
Understanding stateful inspection, access control lists, and security policy creation.
- **Advanced Firewall Configuration (35m)**
Complex firewall scenarios including NAT, object groups, and advanced security policies.
- **Intrusion Prevention Systems Basics (18m)**
How IPS works, signature management, and deployment considerations for the exam.
- **Content Security and Web Filtering (24m)**
Implementing URL filtering, malware protection, and content inspection policies.
- **Endpoint Security Integration (16m)**
Connecting endpoint protection with network security controls for comprehensive defense.

- **Security Monitoring and Logging (21m)**
Setting up effective logging, monitoring alerts, and using syslog for security analysis.

Advanced Security Concepts

- **High Availability and Failover Strategies (26m)**
Configuring redundant security appliances and understanding failover mechanisms.
- **Virtual Private Network Troubleshooting (30m)**
Common VPN issues, diagnostic commands, and systematic troubleshooting approaches.
- **Security Zone and Policy Design (19m)**
Creating effective security zones and policies that align with business requirements.
- **Remote Access Security Best Practices (23m)**
Securing remote connections with multi-factor authentication and device compliance.
- **Site-to-Site VPN Advanced Configurations (28m)**
Complex site-to-site scenarios including dynamic routing over VPN tunnels.
- **Security Appliance Management (15m)**
Using Cisco Security Manager and other tools for centralized device management.
- **Performance Optimization for Security Devices (22m)**
Tuning firewall and VPN performance for high-throughput environments.
- **Real Case Study: Enterprise Security Deployment (34m)**
Analysis of a complete security implementation from design to deployment.

Hands-On Configuration Labs

- **Lab 1: Building a Secure Branch Office VPN (38m)**
Complete step-by-step configuration of a branch office with IPsec VPN to headquarters.
- **Lab 2: Implementing a Multi-Zone Firewall (40m)**
Design and configure a firewall with multiple security zones for different departments.
- **Lab 3: SSL VPN for Remote Workers (32m)**
Set up secure remote access for employees using SSL VPN with certificate authentication.
- **Lab 4: High Availability Firewall Pair (36m)**
Configure active-standby firewall failover with state synchronization.
- **Lab 5: Intrusion Prevention Deployment (29m)**
Install and configure IPS signatures with custom rules for your environment.
- **Lab 6: Content Security Gateway Setup (27m)**
Deploy web filtering and malware protection for network traffic inspection.
- **Lab 7: VPN Troubleshooting Scenarios (33m)**
Practice diagnosing and fixing common VPN connectivity issues in a lab environment.
- **Lab 8: Security Policy Migration (25m)**
Learn techniques for migrating security policies between different firewall models.
- **Lab 9: Monitoring and Alert Configuration (20m)**
Set up effective monitoring dashboards and alerting for security events.
- **Lab 10: Performance Testing and Optimization (31m)**
Test security device performance and apply optimization techniques.

Exam Practice and Final Preparation

- **Practice Exam Strategy and Analysis (24m)**
How to use practice tests effectively, analyze results, and identify weak areas.
- **Question Type Breakdown: Multiple Choice (16m)**
Techniques for answering multiple-choice questions and eliminating wrong answers.
- **Question Type Breakdown: Drag and Drop (18m)**
Strategies for tackling drag-and-drop questions common in Cisco exams.
- **Question Type Breakdown: Simulation Labs (28m)**
Practice navigating and completing simulation lab questions under time pressure.
- **Full-Length Practice Exam 1 (40m)**
Timed practice exam with detailed answer explanations for each question.
- **Full-Length Practice Exam 2 (40m)**
Second timed practice exam to build stamina and identify remaining gaps.
- **Reviewing Incorrect Answers Systematically (22m)**
Methodical approach to reviewing mistakes and strengthening knowledge areas.
- **Last-Minute Study Techniques (14m)**
Effective strategies for the final week before your exam appointment.
- **Exam Day Preparation Checklist (12m)**
Complete checklist for the day before and day of the exam to ensure success.
- **Post-Exam: Next Steps and Certification Maintenance (15m)**
What to do after passing, and how to maintain your Cisco certification.
- **Troubleshooting Common Exam Issues (19m)**
Solutions for technical problems you might encounter during the exam.
- **Building a Long-Term Security Career (21m)**
How to leverage your certification for career advancement and continuous learning.
- **Final Q&A and Community Resources (17m)**
Access to instructor Q&A sessions and recommended community forums for ongoing support.

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