

Cisco 300-215 Exam Preparation

Cisco 300-215. Threat intelligence, secure network design, and strategic exam approach for security pros.

[IT Certifications](#) Instructor: Brian Mitchell • 5 sections • 44 lessons • 14.25h total

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About this course

This course is for network security engineers and professionals preparing for the Cisco 300-215 exam. We cut through the noise and focus on the key topics you need to know. You will get a breakdown of the exam objectives, from threat intelligence to secure network design.

You will learn how to approach exam questions strategically, with step-by-step guides for complex topics. The course includes video lessons, downloadable study checklists, and practical case studies based on real network security challenges.

Course curriculum

Foundations and Exam Overview

- **Understanding the 300-215 Exam Structure (12m)**
Learn the exam format, question types, and scoring to plan your study strategy effectively.
- **Key Domains and Weighting Breakdown (18m)**
Get a clear map of the exam domains, so you know where to focus your time for the best results.
- **Setting Up Your Study Environment (8m)**
Step-by-step guide to organizing your materials, schedules, and tools for efficient preparation.
- **Essential Networking Concepts Review (25m)**
Refresh core networking fundamentals that underpin the 300-215 objectives, with practical examples.
- **Introduction to Cybersecurity Frameworks (15m)**
Learn how major frameworks like NIST and ISO relate to the exam topics, with a downloadable comparison chart.
- **Time Management for Exam Day (10m)**
Discover techniques to pace yourself during the exam and avoid common time traps.
- **Creating a Personalized Study Plan (20m)**
Build a tailored study schedule using a downloadable template, based on your current knowledge level.

Core Security Concepts

- **Threat Intelligence Fundamentals (22m)**
Understand what threat intelligence is and how to apply it in a network context, with a real-world case study.
- **Vulnerability Assessment Techniques (17m)**
Walk through step-by-step methods for identifying and prioritizing vulnerabilities in your network.
- **Implementing Access Control Policies (19m)**
Learn how to design and deploy effective access controls, including downloadable policy templates.
- **Secure Network Architecture Basics (28m)**
Explore the principles of secure network design, with diagrams and practical configuration examples.
- **Encryption Standards and Protocols (14m)**
Get a practical overview of key encryption methods used in Cisco environments, avoiding deep theory.
- **Incident Response Planning (21m)**
Develop a step-by-step incident response plan, including a problem-solving session on a mock scenario.
- **Security Monitoring and Logging (16m)**
Learn how to set up and interpret security logs, with a focus on Cisco-specific tools and practices.
- **Firewall and ACL Configuration (32m)**
Hands-on guide to configuring firewalls and access lists, with a downloadable configuration checklist.

- **Introduction to Cisco Security Solutions (11m)**
Overview of Cisco security products relevant to the exam, like Firepower and ISE, with practical use cases.

Advanced Threat Protection

- **Advanced Persistent Threats Analysis (23m)**
Break down APTs with real case studies, and learn detection strategies you can apply immediately.
- **IPS and IDS Deployment Strategies (27m)**
Step-by-step guide to deploying and tuning intrusion prevention systems for your network.
- **Email Security and Anti-Phishing (19m)**
Learn how to configure email security gateways, with a downloadable anti-phishing policy template.
- **Web Security and Content Filtering (15m)**
Practical lessons on implementing web filters and secure browsing policies for enterprise networks.
- **Endpoint Protection Strategies (20m)**
Understand how to secure endpoints with Cisco solutions, including a problem-solving session on malware outbreaks.
- **Network Segmentation Techniques (26m)**
Learn how to segment networks to contain threats, with real-world examples from Cisco environments.
- **Cloud Security Considerations (18m)**
Explore security challenges in hybrid clouds and how Cisco tools address them, with a case study analysis.

Security Operations and Compliance

- **Security Operations Center (SOC) Basics (13m)**
Get an inside look at SOC workflows and how they relate to the 300-215 exam objectives.
- **SIEM Integration and Use Cases (24m)**
Learn to integrate SIEM tools with Cisco security products, step-by-step with practical examples.
- **Compliance Standards Overview (16m)**
Review key compliance frameworks like PCI-DSS and HIPAA, and their impact on network security.
- **Automating Security Tasks (21m)**
Discover how to use automation for routine security checks, with downloadable scripts and templates.
- **Risk Assessment Methodologies (19m)**
Walk through a practical risk assessment process, including a downloadable assessment template.
- **Vendor Security Evaluations (14m)**
Learn how to evaluate third-party security vendors, with a real-world case study analysis.
- **Disaster Recovery and Business Continuity (28m)**
Step-by-step guide to planning DR/BC strategies, with Cisco-specific tools and a problem-solving session.
- **Security Policy Development (22m)**
Create effective security policies from scratch, using downloadable templates and real examples.
- **Auditing and Reporting Security Metrics (17m)**
Learn to generate and interpret security reports, with a focus on metrics that matter for the exam.

Practice, Review, and Exam Strategy

- **Practice Exam Simulation Part 1 (35m)**
Test your knowledge with a timed practice exam, followed by a detailed review of answers.
- **Practice Exam Simulation Part 2 (33m)**
Another full-length practice exam to build stamina, with explanations for tricky questions.
- **Weak Area Targeting and Remediation (20m)**
Use your practice results to identify gaps, with a step-by-step remediation plan and resources.
- **Memory Techniques for Key Facts (12m)**
Learn mnemonics and tricks to remember exam-critical information, with downloadable cheat sheets.
- **Final Review Checklist (15m)**
A comprehensive downloadable checklist to ensure you've covered all exam domains before test day.
- **Exam Day Logistics and Mindset (10m)**
Practical tips for the exam day, from what to bring to managing stress, with a problem-solving session.
- **Post-Exam Steps and Certification Maintenance (14m)**
What to do after passing, including continuing education and how to keep your certification current.
- **Resource Library and Ongoing Support (8m)**
Get access to a curated list of books, forums, and tools for continued learning after the course.
- **Q&A Session: Common Exam Pitfalls (25m)**
Join a live or recorded Q&A addressing frequent mistakes and how to avoid them, based on student feedback.
- **Building a Long-Term Security Career (18m)**
Explore next steps in your career path, with advice on specializations and advanced certifications.
- **Final Project: Design a Secure Network (40m)**
Apply everything you've learned in a capstone project, with a downloadable project guide and peer review.
- **Course Wrap-Up and Next Actions (9m)**
Summarize key takeaways and create your personalized next action plan for exam success.

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