



CISCO TRAINING

CCNP Security: Implementing and Operating Cisco Security Core Technologies (SCOR)

Master Cisco Security Core Technologies (SCOR) to implement and operate advanced security solutions. Pass the 350-701 exam for your CCNP Security.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The CCNP Security: Implementing and Operating Cisco Security Core Technologies (SCOR) course is a foundational program designed for security professionals looking to validate and advance their skills in securing modern network infrastructures. This comprehensive course delves deep into the core security technologies and solutions offered by Cisco, providing participants with the knowledge and practical expertise required to implement, operate, and troubleshoot secure network access, advanced threat protection, content security, and cloud security.

Participants will gain hands-on experience with critical Cisco security products, including Cisco Firepower Next-Generation Firewall (NGFW) and Next-Generation IPS (NGIPS), Cisco Identity Services Engine (ISE), Cisco AnyConnect, site-to-site and remote-access VPN solutions, Cisco Umbrella, and advanced malware protection (AMP). The curriculum focuses on architectural principles, deployment considerations, and operational best practices, preparing individuals to defend against sophisticated cyber threats and ensure the integrity and availability of organizational assets.

Upon completion, this course not only prepares you for the 350-701 SCOR exam, which is a core requirement for the CCNP Security certification, but also equips you with highly sought-after skills that are immediately applicable in the cybersecurity landscape. Earning your CCNP Security certification signifies your advanced proficiency in designing, implementing, and managing robust security solutions, opening doors to higher-level roles and increased professional credibility within the IT security domain.

Duration	2 hours
Level	Intermediate
Vendor	Cisco
Exam Code	350-701

PREREQUISITES

- Understanding of OSI model
- Basic TCP/IP networking
- Familiarity with network devices (routers, switches)
- Basic command-line interface experience

COURSE CURRICULUM

01 Module 1: Implementing Network Security

- Cisco Security Architecture Principles
- Implementing Cisco ASA Firewalls
- Configuring Cisco Firepower Threat Defense (FTD)
- Network Address Translation (NAT) and Access Control Lists (ACLs) in FTD

02 Module 2: Secure Access and VPN Solutions

- Cisco Identity Services Engine (ISE) for Network Access Control (NAC)
- Implementing 802.1X Authentication and Authorization
- Configuring Site-to-Site VPNs (DMVPN, FlexVPN)
- Implementing Remote Access VPNs with Cisco AnyConnect

03 Module 3: Advanced Threat Protection and Content Security

- Cisco Firepower Next-Generation Intrusion Prevention System (NGIPS)
- Advanced Malware Protection (AMP) for Endpoints and Networks
- Cisco Umbrella for DNS-layer Security
- Cisco Email Security Appliance (ESA) and Web Security Appliance (WSA) Fundamentals

04 Module 4: Cloud Security and Endpoint Security

- Cloud Security Principles and Deployment Models
- Securing Public Cloud Environments (AWS/Azure security basics)
- Endpoint Detection and Response (EDR) Concepts
- Cisco Stealthwatch for Network Visibility and Analytics

05 Module 5: Security Operations and Management

- Security Monitoring and Logging with SIEM Integration
- Incident Response and Forensics Fundamentals
- Security Automation and Orchestration (SOAR) Concepts
- Cisco Security Management Tools (FMC, CSM)

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Network Security Engineer**
- > **Security Operations Center (SOC) Analyst L2/L3**
- > **Cisco Security Architect/Consultant**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or certifications are strongly recommended before enrolling in the CCNP Security SCOR course to ensure optimal learning?

To maximize your success in the CCNP Security SCOR course, it is highly recommended to have a solid understanding of fundamental networking concepts (equivalent to CCNA certification) and basic security principles. Experience with Cisco IOS CLI, TCP/IP, and general network security operations will be very beneficial for grasping the advanced topics covered in SCOR, which builds upon these foundational areas.

Q: How does the CCNP Security SCOR course specifically prepare professionals to implement and manage Cisco's integrated threat defense solutions against modern multi-vector attacks?

The SCOR course provides in-depth, hands-on training on deploying and operating Cisco's key security products like Firepower NGFW/NGIPS, Identity Services Engine (ISE), AMP for Endpoints, Umbrella, and various VPN solutions. You will learn to integrate these components to create a holistic security posture, enabling you to effectively detect, prevent, and respond to advanced persistent threats, zero-day exploits, and sophisticated malware campaigns across the network, endpoint, and cloud environments.

Q: Beyond passing the certification exam, what are the tangible, real-world skills graduates of the CCNP Security SCOR program will possess to immediately impact an organization's security posture?

Graduates of the CCNP Security SCOR program will gain practical, real-world skills such as configuring and troubleshooting Cisco Firepower Threat Defense, implementing secure network access with ISE and 802.1X, deploying various VPN solutions (site-to-site, remote access), and utilizing Cisco's advanced threat protection technologies. You'll be adept at analyzing security events, applying best practices for network segmentation, and contributing significantly to robust incident response strategies, making you a vital asset in any security team tasked with defending critical infrastructure.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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