

Cisco Certified Support Technician (CCST) Cybersecurity

Description

The **Cisco Certified Support Technician (CCST) Cybersecurity** training teaches you foundational skills and knowledge of entry-level cybersecurity concepts and topics. Learn how to protect and defend an organization and gain employable skills to start your cyber career.

This training prepares you for the CCST Cybersecurity (100-160 CCST) exam. If passed, you earn the CCST Cybersecurity certification. This training also serves as a steppingstone for the Implementing and Administering Cisco Solutions (CCNA 200-301) v1.1 certification.

How you'll benefit

This training will help you:

- Gain skills for entry-level cybersecurity roles
- Prepare to take the 100-160 CCST exam

Who should enroll

- Entry-level Cybersecurity Technicians
- Entry-level IT and Cybersecurity Professionals
- Cybersecurity Students
- Cybersecurity Interns

Technology areas

- Cybersecurity

Objectives

- Define essential security principles
- Explain common threats and vulnerabilities
- Explain access management principles

- Explain encryption methods and applications
- Describe TCP/IP protocol vulnerabilities
- Explain how network addresses impact network security
- Describe network infrastructure and technologies
- Set up a secure wireless SoHo network
- Implement secure access technologies
- Describe operating system security concepts
- Demonstrate familiarity with appropriate endpoint tools that gather security assessment information
- Verify that endpoint systems meet security policies and standards
- Implement software and hardware updates
- Interpret system logs
- Demonstrate familiarity with malware removal
- Explain vulnerability management
- Use threat intelligence techniques to identify potential network vulnerabilities
- Explain risk management
- Explain the importance of disaster recovery and business continuity planning
- Monitor security events and know when escalation is required
- Explain digital forensics and attack attribution processes
- Explain the impact of compliance frameworks on incident handling
- Describe the elements of cybersecurity incident response

Prerequisites

There are no prerequisites for this training.

Outline

- Introduction to Cybersecurity
- Networking Basics
- Networking Devices and Initial Configuration
- Endpoint Security
- Network Defense
- Cyber Threat Management

What to expect on the exam

Cisco Certified Support Technician Cybersecurity (100-160 CCST) is a 50-minute exam associated with the CCST Cybersecurity certification and brings you one step closer toward earning your Implementing and Administering Cisco Solutions (CCNA 200-301) certification.

The exam tests your foundational knowledge of cybersecurity concepts and topics, including security principles, network security and endpoint security concepts, vulnerability assessment and risk management, and incident handling.

Link

- [Cisco Junior Cybersecurity Analyst Career Path](#)